# Sales Contacts

**Europe**
Sales Director
**Shawn Zhang**
Email: Shawn@uni-trend.com
WhatsAPP: +86 1730 1596 823
Tel: +44 7529 936252

**Africa/Asia**
Sales Director
**Sandy Lu**
Email: sandy@uni-trend.com.cn
Tel: +86 769-8572 3888-501
Wechat & WhatsAPP: +86 13902600624

**Oceania/North America/South America**
Sales Director
**Neo Chan**
Email: Neo@uni-trend.com.cn
WhatsAPP/Skype: +86 1321 5353 100
Tel: +86 769-8572 3888-306

**UNI-TREND TECHNOLOGY (CHINA) CO., LTD.**
No. 6, Industrial North 1st Road, Songshan Lake Park, Dongguan City, Guangdong Province
Post Code: 523 808
Tel: (86-769) 8572 3888

**UNI-TREND TECHNOLOGY (HONG KONG) LIMITED**
Rm 901, 9/F, Nanyang Plaza, 57 Hung To Road, Kwun Tong,
Kowloon, Hong Kong

**UNI-TREND TECHNOLOGY EU GMBH**
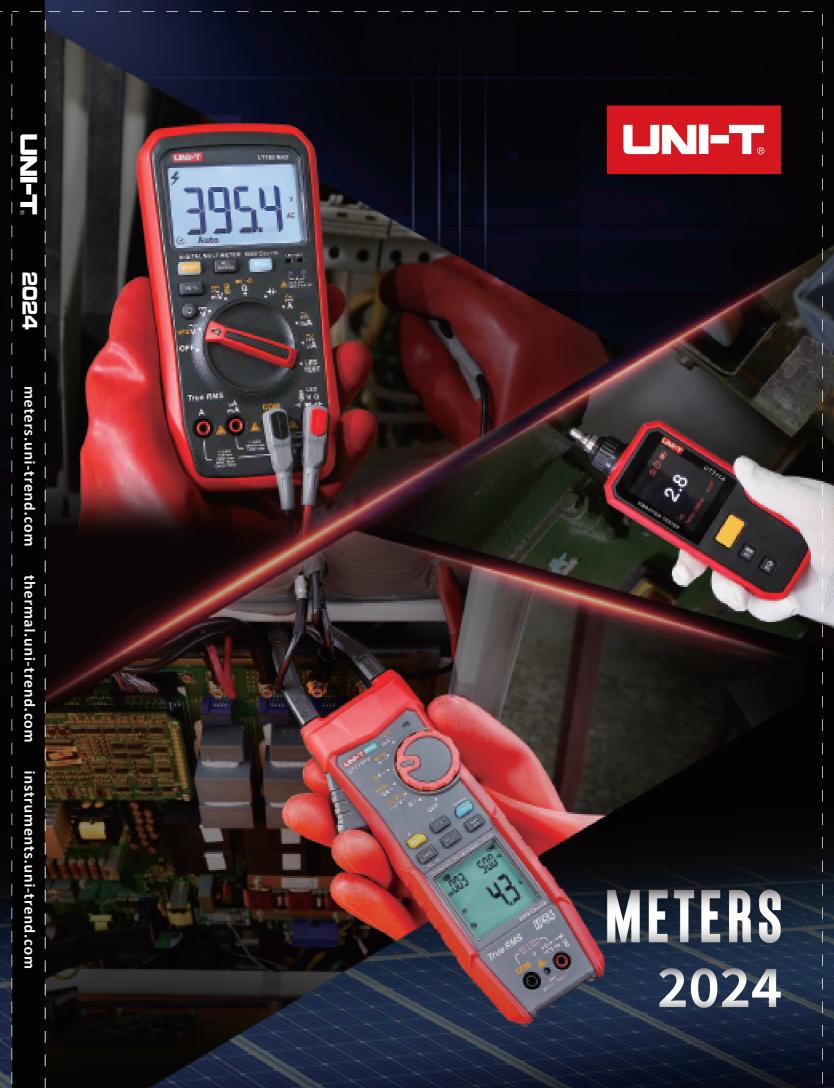Affinger Str. 12, 86167 Augsburg
Munich area in Germany

**UNI-TREND TECHNOLOGY US INC.**
3171 Mercer Ave Suite 104
Bellingham WA

**UNI-T**

2024

meters.uni-trend.com

thermal.uni-trend.com

instruments.uni-trend.com

**UNI-T**

**METERS**
**2024**

# ABOUT US

UNI-T was founded in 1988 and officially registered as UNI-Trend (China) Technology Co., Ltd. In 2003. We design and manufacture test and measurement solutions. Over the years, we have s triven to be the technology pioneer and professional solution provider for the community with as ustainable shared future. UNI-T have been committed to the innovation of electronic testing and measurement industry, and as a well-established brand in the test and measuring industry, we serve a wide-range of customers in Education and Scientific Research, Industrial Automation, Automobile, Transportation, Energy, Semi-conductors, Network and Communications, Medical, Environmental protection and more. The company went public in SSE STAR (Sic-Tech Innovation Board) stock market in Feb.
2021 (code: 688628)

**1988**
Founding Year

**3**
R&D Centers

**200+**
Engineers

**373**
Patents

**100,000m²**
Manufacturing Space

# DEVELOPMENT HISTORY



**1998**
Gained ISO 9001 Quality Verification Certificate from LRQA

**2005**
Products have obtained CE, ETL, UL, GS and other certifications

**2010**
'UNI-T' brand and trademark has been recognized in more than 70 countries around the world

**2019**
Gained ISO14001 certificate

**2021**
Manufacturing base in Heyuan becomes operational

**2022**
Branch in Germany becomes operational.

**1988**
Company founded in Shenzhen

**2003**
Moved to Humen to start diversified product line development

**2007**
Opened the second R&D center in Chengdu for instruments

**2012**
Uni-Trend moved its headquarters to Songshan Lake Industrial Park

**2021**
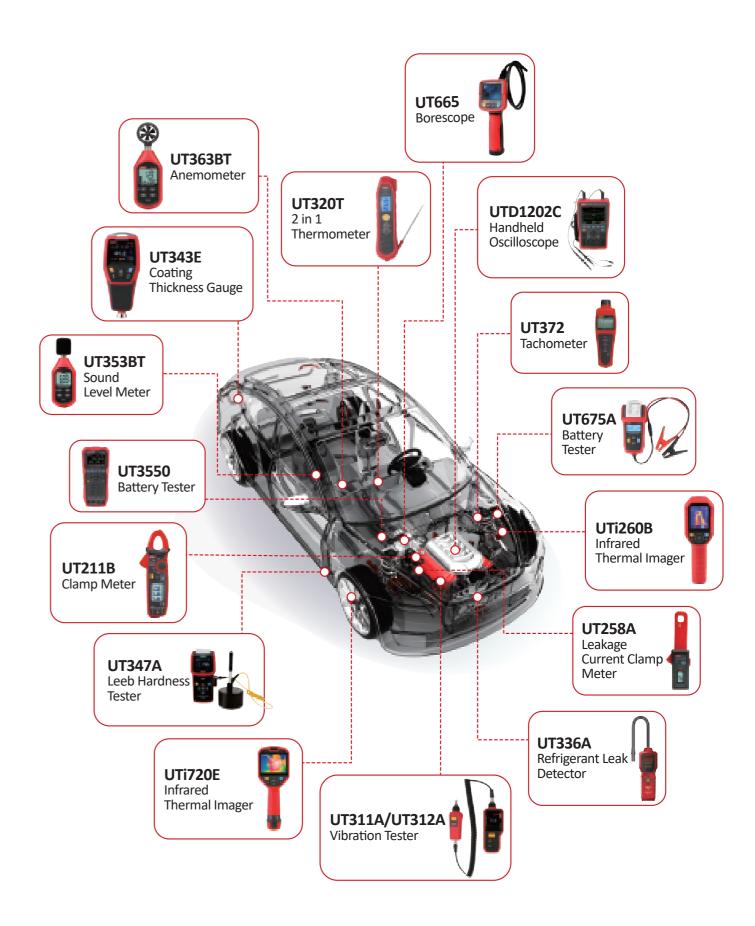Uni-Trend becomes publicly traded on Shanghai Stock Exchange with stock code: 688628

**2023**
Branch in U.S. becomes operational.

# SOLAR POWER FACILITY SOLUTIONS

**UT673PV**
Solar Panel MPPT

**Data collector**

**Monitor system**

**UT3550**
Handheld
Battery Tester

**UT568A**
Acoustic Imaginer

**Solar array**

**Inverter**

**UT503PV**
PV Insulation
Resistance Tester

**UT278D**
Ground pile Clamp
earth Resistance
Tester

**Combiner box**

**Transformer**

**Power distribution
cabinet**

**Power distribution
room**

**Power grid**

**UT572**
Advanced Earth
Resistance Tester

**Solar array**

**Inverter**

**UTi740H**
Professional
Thermal Imager

**UT256**
60A AC/DC
Fork Meter

**UTi740H**
Professional
Thermal Imager

**UT516B**
12kV Insulation
Resistance Tester

**UT219P**
AC Digital Power
Clamp Meter

**UT196**
1700V DC True RMS
professional Multi-meter
—solar pro

**UT219PV**
Photovoltaic
Clamp Meter

**UT285C**
Three Phase Power
Quality Analyzer

**UT253A**
Large Jaw Leakage
Current Clamp meter

→ DC Current    → AC Current    ······· Monitor System

# AUTOMOTIVE INDUSTRY SOLUTIONS

**UT665**
Borescope

**UT363BT**
Anemometer

**UT320T**
2 in 1
Thermometer

**UTD1202C**
Handheld
Oscilloscope

**UT343E**
Coating
Thickness Gauge

**UT372**
Tachometer

**UT353BT**
Sound
Level Meter

**UT675A**
Battery
Tester

**UT3550**
Battery Tester

**UTi260B**
Infrared
Thermal Imager

**UT211B**
Clamp Meter

**UT258A**
Leakage
Current Clamp
Meter

**UT347A**
Leeb Hardness
Tester

**UT336A**
Refrigerant Leak
Detector

**UTi720E**
Infrared
Thermal Imager

**UT311A/UT312A**
Vibration Tester

# NEW PRODUCTS

## UT673PV
**Solar MPPT Meter**
**Page 002**

● Large screen
● Multiple result display
● No batteries need
● Portable and convenient

## UT503PV
**PV Insulation Tester**
**Page 003**

● High output voltage (up to 1000V)
● UTD live test (up to DC 1000V)
● Auto discharge
● High voltage alarm
● Lithium battery
● Bluetooth app supported

## UT501E
**Fast Insulation Resistance Tester**
**Page 004**

● 2.5 times fast mesurement
● Lithium battery (2600mAh)
● IP54 protection
● Auto discharge
● Low impedance measurement
● High voltage alarm

## UT620C+
**Micro-ohmmeter**
**Page 005**

● Micro ohm measurement
● Test current (1A)
● Portable and compact
● Lithium battery
● Large LCD
● Data storage (499 set)

## UT118C
**Pen-type Meter**
**Page 065**

● True RMS
● Two-color mold injection
● Automatic identification
● Gold-plated fine-tipped test leads
● adjustable pen's nib length
● Any key wake up

## UT219PV
**Professional AC/DC Clamp Meter-SOLAR**
**Page 036**

● 35mm Ultra-thin Jaw
● Safety & reliable (CAT III 1500V/CAT IV 600V)
● High-voltage measurement
● Audible & Visual alarm (for negative voltage)
● Bluetooth APP
● IP54 protection

## UT25CL
**Cable Locator**
**Page 006**

● Energized wire detection
● Metallic heating pipe detection
● Fuses and relevant circuit detection
● Sensitivity adjustable
● Multiple transmitters compatible (up to 8pcs)
● Audible & Visual indications

## UT251C+
**AC Leakage Current Meter**
**Page 037**

● Large Jaw size (up to 40mm)
● Safety regulation (CAT III 600V)
● High resolution (1uA)
● Bluetooth supported
● Strong an-ti interference
● Stable reading

## UT320T
**2 in 1 Thermometer**
**Page 103**

● 2 in 1 temperature measurement
● Collapsible probe
● IR range: -40°C-300°C, Probe range; -40°C-300°C
● D:S=8:1
● Adjustable emissivity: 0.1~1.0
● Temperature difference: T1-T2
● 2m drop proof, IP54

## UT325F

**4-Channel Thermometer**

**Page 101**

- Four-channel temperature measurement
- Thermocouples types: J, K, T, E, R, S, N
- Compatible with single channel thermocouple type Settings
- Temperaturedifference
- 72000 data storage
- Software and bluetooth APP connection

## UT381A

**Illuminance Meter**

**Page 104**

- Measuring range: 0~400000 lx
- Integrated and split design
- Color Correction Coefficient (CCF)
- Data record: 99 sets
- Bluetooth APP and data export
- Real time display

## LM570R/585R Series

**Laser Levels**

**Page 147**

- SHARP high brightness red LD
- Adjustable 3 level brightness
- Lock function, Laser diagonals
- Remote control mode (not LM585R)
- Self-leveling range: ±(3±1)°
- Audible alram and laser flicker
- Rechargeable battery

## LM40Mi/50Mi/60Mi

**Mini Laser Distance Meters**

**Page 146**

- Measurement Range:
  LM40Mi: 0.05-40m
  LM50Mi: 0.05-50m
  LM60Mi: 0.05-60m
- Accuracy: ±(2mm+d ×1/10000)
- Continuous/Metope Area/Area/Volume/Perimeter /Pythagorean measurement

# CONTENTS

## Electrical Installation and Cable Testers

## Electrical Power Tools

## Digital Clamp Meters

## Digital Multimeters

## Infrared Thermometers

## Environmental Testers

## Socket Testers Voltage Detectors

## Voltage and Continuity Testers

## Layout and Measurement Tools

## Accessories

# ELECTRICAL INSTALLATION AND CABLE TESTERS

Electricity is a double-edged sword. It can bring us convenience by powering our homes, or it could be a curse when it is unsafely handled. For example, the break down of electric motors, cables and household appliances by high voltage or environmental factors such as corrosion, sunlight, humidity and dust may affect insulation or earth ground protection. These events may result in economic and energy loss, human injury, or even lead to catastrophes. UNI-T helps to minimize these risks by providing accurate and safe meters for measuring insulation, earth ground resistance, RCD, and more.

# UT673PV NEW!

## Solar MPPT Meter

UT673PV solar MPPT meter can test the maximum power, peak power voltage, peak power current, open circuit voltage, and short circuit current of solar panels to help find the abnormal ones.

It adopts a large-size screen, automatic measurement, and can display all measurement results at the same time; the body is easy to carry, which greatly improves the operation and maintenance efficiency of photovoltaic manufacturers, installers, and end users.

| Specification | | |
|---|---|---|
| Max power measurement | 5~800W | ±(1.0%+10) |
| Max power current (DC) | 0~35A | ±(1.5%+5) |
| Max power voltage (DC) | 10~80V | ±(1.5%+5) |
| Open circuit voltage (DC) | 10~80V | ±(1.5%+5) |
| Short circuit current (DC) | 10~35A | ±(1.5%+5) |

| Features | |
|---|---|
| Display | Large LCD (52 x 66mm) |
| Reverse polarity connect protection | √ |
| Over voltage protection | √ |
| Over current protection | √ |
| Over temperature protection | √ |
| Over power protection | √ |
| Manual MPPT test | √ |
| Data hold | √ |
| Power supply | No battery needed powered by solar panel. |
| Ovecategory | CAT 0 100V |

| Characteristics | |
|---|---|
| Product color | Red + Black |
| Product size | 143 x 74 x 17 mm |

**\*Come with MC4 connector**

**\*Product is preliminary and subject to change pending final release information.**

# NEW! UT503PV

## PV Insulation Tester

UT503PV has the function of measuring photovoltaic live insulation resistance (it can measure photovoltaic insulation resistance without power outage/short circuit of photovoltaic solar panels or at night, the maximum DC 1000V), ordinary insulation resistance function (non-live), AC and DC voltage automatic recognition measurement, stepping voltage, Bluetooth transmission, automatic discharge, high voltage live warning, remote control test pen operation test and other functions.

This product is often used in the insulation resistance test of photovoltaic power generation panels, battery energy storage, new energy vehicles, and other equipment.

| Output voltage | Insulation resistance | PV insulation resistance | Accuracy |
|---|---|---|---|
| 125V | <1.51MΩ | N/A | For reference only |
| | 1.51MΩ~100.0MΩ | | ±(1.5%+5) |
| | 100.1MΩ~1000MΩ | | ±(5%+6) |
| 250V | <1.51MΩ | N/A | For reference only |
| | 1.51MΩ~200.0MΩ | | ±(1.5%+5) |
| | 200.1MΩ~2000MΩ | | ±(5%+6) |
| 500V | <1.51MΩ | <1.51MΩ | For reference only |
| | 1.51MΩ~1000MΩ | 1.51MΩ~1000MΩ | ±(1.5%+5) |
| | 1001MΩ~4000MΩ | 1001MΩ~4000MΩ | ±(5%+6) |
| 1000V | <1.51MΩ | <1.51MΩ | For reference only |
| | 1.51MΩ~1000MΩ | 1.51MΩ~1000MΩ | ±(1.5%+5) |
| | 1001MΩ~4000MΩ | 1001MΩ~4000MΩ | ±(5%+6) |
| Voltage measurement | DC Voltage | 5~1000V DC | ±(1%+4) |
| | AC Voltage | 5~600V AC | ±(1%+4) |
| Short circuit current | IR measurement | <1.5mA | |
| | PV IR measurement | <1.2mA | |

| Features | |
|---|---|
| Continue measurement (IR) | √(default setting) |
| Time measurement | √ |
| Compare function(IR) | √ |
| Stepping voltage | √ |
| Auto discharge | √ |
| DUT live test | IR measurement: DO NOT test if the DUT voltage is above 25V |
| | PV IR measurement: the DUT voltage should under DC 1000V |
| High voltage alarm | √ |
| Data storage | 1000 set |
| Data communication | transmission via USB cable |
| | transmission via Bluetooth app |
| Product dimension | 161(L) x 117.3(D) x 63(H)mm |
| IP | IP54 (with cap closed) |
| CAT rating | CAT II 1000V, CAT III 600V |

| Characteristics | |
|---|---|
| Product color | Red + grey |
| Product weight | About 0.5KG (including battery) |
| Product size | 161(L) x 117.3(D) x 63(H)mm |
| Standard package | Hard cloth bag + carton box |
| SPQ | 2 |
| Package size | 360 x 230 x 290mm |

*Product is preliminary and subject to change pending final release information.

# UT501E NEW!

## Fast Insulation Resistance Tester

UT501E can verify the quality of the electrical equipment produced, confirm the change of the insulation of the electrical equipment over time, troubleshoot and determine the cause of the fault.

It features 2.5 times fast measurement, comparison test function and alarm function, and the "safety lock function" prevent false and effectively improve the work efficiency of electrical engineers. It is a convenient and practical tool.

| Specifications | | |
|---|---|---|
| Insulation resistance | | 0~4GΩ |
| | 100V | 1, (0.1~20M): ±(2%+6);<br>2, (20.1~200M): (±(5%+6) |
| | 125V | 1, (0.1~20M): ±(2%+6);<br>2, (20.1~200M): (±(5%+6) |
| | 250V | 1, (0.2~40M): ±(2%+6);<br>2, (40.1~500M): (±(5%+6) |
| | 500V | 1, (0.5~200M): ±(2%+6);<br>2, (200.1~2000M): (±(5%+6) |
| | 1000V | 1, (1~1000M): ±(2%+6);<br>2, (1001~4000M): (±(5%+6) |
| Rated current | 1.0mA | |
| short circuit current | <2.0mA | |
| Low resistance measurement | 0.00Ω~400Ω ±(2%+8) | |
| AC voltage | 30V~600V ±(2%+3); 50Hz/60Hz | |
| DC voltage | 30V~600V ±(2%+3) | |

| Features | |
|---|---|
| Display count (max) | 4200 |
| Fast measurement | √ (2.5 times faster insulation measurement) |
| DAR | √ |
| PI | √ |
| Compare function | √ |
| Auto discharge | √ |
| LoZ function | √ |
| High voltage alarm | √ |
| Manual range (IR) | √ |
| Auto range (voltage) | √ |
| Data storage | 99 set |
| Overrange display | OL |
| Security lock | √ |
| Remote testing | √ |
| analog strip | √ |
| IP rating | IP54 |
| CAT rating | CAT III 600V |
| Other features | Backlight, Auto power off, Low battery indication |

| Characteristics | |
|---|---|
| Power supply | 11.1V/2600mAh lithium battery |
| Product color | Black + Red |
| Product dimension | 161 x 116 x 68mm |

*Product is preliminary and subject to change pending final release information.

NEW! **UT620C+**

## Micro-ohmmeter

The UT620C+ micro-ohmmeter can measure a wide range of resistance values with high precision. It is a highly accurate portable resistance meter capable of measuring resistance levels from micro-ohm to mega-ohm. It is ideal for testing and maintenance of large equipment, such as measuring winding and welding resistance of large motors and stators for hybrid and electric vehicles.

Widely used in telecommunications, power distribution systems, new energy vehicles, petrochemicals, industrial plant grounding systems, etc.

| Rated voltage | | |
|---|---|---|
| Resistance range | 100.0kΩ~300.0kΩ/3uA | 100Ω |
| | 10.00kΩ~99.99kΩ/1uA | 10Ω |
| | 1.000kΩ~9.999kΩ/10uA | 1Ω |
| | 100.0Ω~999.9Ω/100uA | 0.1Ω |
| | 10.00Ω~99.99Ω/1mA | 0.01Ω |
| | 1.000Ω~9.999Ω/10mA | 0.001Ω |
| | 100.0mΩ~999.9mΩ/100mA | 0.1mΩ |
| | 0.001mΩ~100.00mΩ/1A | 0.01mΩ/0.001mΩ |

| Features | |
|---|---|
| Functions | Measuring the resistance of all kinds of wires, switches, connectors, contactors, fuses, coils, transformer windings, metal riveting, and so on. |
| Measurement methods | Four-wire method |
| Test current | ≥1A |
| Open circuit voltage | ≤4.2V |
| Input protection | ≤36V AC/DC |
| Power consumption | measurement power: ≤8W |
| Measuring speed | about 2times/seconds |
| Automatic power off | 15 minutes if no operation |
| Pressure resistance | AC 3700V/rms |
| Storage | 499 set |
| Display type | segment LCD |
| USB ingerface | Type C |
| Backlight | √ |
| Low battery indication | √ |
| IP rating | IP54 |

| Characteristics | |
|---|---|
| Power supply | DC 3.7V 2600mAh lithium battery |
| Product color | Black + Red |
| Product weight | 480g (battery included) |
| Product dimension | 161 x 117 x 68mm |

*Product is preliminary and subject to change pending final release information.

# UT25CL  NEW!
## Cable Locator

The cable locator contains a transmitter and a receiver. It is equipped with advanced sensors that enable you to effortlessly trace the route of these vital elements. From locating hidden wires within walls to tracing conductors in soil, it provides unmatched accuracy and efficiency. Save time, prevent accidental damage, and ensure efficient installations or repairs.

Whether you're working on residential or commercial projects, It is the ultimate solution for electricians, contractors, and DIY enthusiasts.

| Features | |
|---|---|
| Energized wire detection | Fuses and relevant circuit detection |
| Sensitivity adjustable | Multiple transmitters compatible (up to 8pcs) |
| Audible & Visual indications | Metallic heating pipe detection |

| Specifications | Range |
|---|---|
| Function | 1. Locate the hidden electrical conductor within the wall.<br>2. Identify any interruptions or short-circuits occurring in the conductors.<br>3. Trace the path of the conductor within the soil.<br>4. Detect the presence of fuses and their corresponding electrical circuits.<br>5. Identify any open-circuits or short-circuits in the in-floor heating system.<br>6. Trace the route of metallic water pipes and heating piping. |
| **Transmitter** | |
| Output signal | 33KHZ |
| Voltage range | AC/DC 8~480V  / 50/60Hz/ 2.5% ±3deg |
| Screen | Segment code LCD (TN; Translucent ) |
| **Receiver** | |
| Receive frequency | 33KHz |
| Tracing depth | Around 0~2m (single-pole application; single-circuit: 2.5m) |
| | Around 0~0.5m (double-pole application) |
| NCV | 80V ~ 1000V, 50Hz/60Hz |
| Voltage detection depth | Around 0~0.4 meters |
| Multi-Transmitors compatible | Up to 8pcs |
| Screen | Segment code LCD (TN; Translucent ) |
| **Ohters** | |
| Working environment | 0~40°C, max 80% rel. humidity (not condensing) |
| Storage encironment | -20~60°C, max 80% rel. humidity (not condens.) |
| Height above MSL | Max.2000m |
| Over voltage category | CAT III 600V |
| Pollution rating | 2 |
| IP rating | IP54 |

| Characteristics | |
|---|---|
| Power supply | Transmitter: 6 x 1.5V AA; Receiver: 6 x 1.5V, AAA |
| Product color | Red + Grey |
| Product dimension | Transmitter: 190 x 90 x 38mm;  Receiver: 250 x 66 x 38mm |
| Accessories | UT25CL-T transmitter 1pcs; UT25CL-R receiver 1pcs; Dual in-line test leads (red + black) 1 pair; Alligator clips (red + black) 1 set; Lantern-tip test probe (red + black) 1pcs; AC polarized plug wire 1pcs; User manual 1pcs; 1.5V AA alkaline battery 6pcs; 1.5V AAA alkaline battery 6pcs; |

*Product is preliminary and subject to change pending final release information.

# UT512D/UT512E
## 2.5kV Insulation Resistance

UT512D/UT512E is digital high-voltage insulation resistance tester, designed with multiple ranges including 250V, 500V, 1000V, 2500V. It is an ideal measurement meter for electric power, telecommunication, meteorology, machine room, oil field, electromechanical installation and maintenance, and power supply department of Industry and mining enterprise.

UT512D

UT512E

| Comparison function | Anti-Misplug (UT512E only) | Auto discharge | PC software analysis | Lithium battery (UT512E only) |

**ELECTRICAL INSTALLATION AND CABLE TESTERS**

| Features | |
|---|---|
| PI test | automatic display |
| DAR test | automatic display |
| Timing measurement | √ |
| Resistance comparison | √ |
| Monitoring function | Monitor the voltage of measured object and the discharge state after testing. If voltage is higher than 36V, it is forbidden to test for protecting the tester and the operator |
| Timer testing | Record testing time automatically.<br>Timing range: 0s~99m and 59s |
| Storage function | 999 sets |
| Data transmission | Upload testing data to computer via USB cable. |
| Low battery indication | √ |
| Auto power off | N/A |
| Dimensions | 238 x 166 x 90.5mm |
| CAT rating | CAT IV 600V |

| Rated voltage | UT512D | UT512E | Accuracy |
|---|---|---|---|
| 250V | <0.25MΩ | <0.25MΩ | reference only |
| | 0.25MΩ~4.99GΩ | 0.25MΩ~4.99GΩ | ±(5%+5) |
| | 5.00GΩ~24.9GΩ | 5.00GΩ~49.9GΩ | ±(20%+10) |
| | 25.0GΩ~100GΩ | 50.0GΩ~250GΩ | reference only |
| 500V | <0.50MΩ | <0.50MΩ | reference only |
| | 0.50MΩ~9.99GΩ | 0.50MΩ~9.99GΩ | ±(5%+5) |
| | 10.0GΩ~49.9GΩ | 10.0GΩ~99.9GΩ | ±(20%+10) |
| | 50.0GΩ~200GΩ | 100GΩ~500GΩ | reference only |
| 1000V | <1.00MΩ | <1.00MΩ | reference only |
| | 1.00MΩ~19.9GΩ | 1.00MΩ~19.9GΩ | ±(5%+5) |
| | 20.0GΩ~99.9GΩ | 20.0GΩ~199GΩ | ±(20%+10) |
| | 100GΩ~400GΩ | 200GΩ~1.00TΩ | reference only |
| 2500V | <2.50MΩ | <2.50MΩ | reference only |
| | 2.50MΩ~49.9GΩ | 2.50MΩ~49.9GΩ | ±(5%+5) |
| | 50.0GΩ~249GΩ | 50.0GΩ~499GΩ | ±(20%+10) |
| | 250GΩ~1.00TΩ | 500GΩ~2.50TΩ | reference only |
| Capacitance test | NA | 0.01uF~2.0uF | ±(15%+3) |
| Low resistor test | NA | 0.1Ω~600Ω | ±(2%+10) |
| Output voltage (Rating) | stepping voltage range | | Step by 10% of each range each time, and adjust the voltage range to 50%~120% of each range; Display accuracy: ±(10% read+10V) Output accuracy: ±(0%~20%) |
| 250V | 350V, 275V, 300V | | |
| 500V | 300V, 350V, 400V, 450V, 500V, 550V, 600V | | |
| 1000V | 500V, 600V, 700V, 800V, 900V, 1000V, 1100V, 1200V | | |
| 2500V | 1250V, 1500V, 1750V, 2000V, 2250V, 2500V | | |
| DC voltage | 30~1000VDC | | ±(3%+5) |
| AC voltage | 30~750VAC 50Hz/60Hz | | ±(3%+5) |
| Current | 0.01nA~3.5mA | 0.01nA~5mA | |
| Short-circuit current | about 3.5mA | about 5mA | |

| General Characteristics | | |
|---|---|---|
| Power supply | 8 x LR14 Alkaline battery | UT512D |
| | 14.8V,5200mAh lithium battery | UT512E |
| Product color | Black+Red | |
| Product weight | About 1800g (including battery) | |
| Accessories | User manual 1 pc; Test lead (red, black, green: 1 for each) 3 pcs; USB cable 1 pc; Lithium battery charger (Output: 16.8Vdc, 2A) 1 pc (UT512E only); Lithium battery pack (14.8V, 5200mAh) 1 pc (UT512E only); Adapting charging stand (optional, model: UT-W12, for UT512E only); 8 PCS LR14 alkaline batteries (UT512D); Carrying strap 1pc | |
| Standard package | case + carton | |
| Package quantity | 1pcs | |
| Package size | 238 x 166 x 90.5mm (L x W x D) | |

# UT513B/UT513C
## 5kV Insulation Resistance Testers

UT513B/UT513C are digital high-voltage insulation resistance testers with high-voltage output ranges of 250V, 500V, 1000V, 2500V, and 5000V.  They are commonly used and essential instruments for power, telecommunications, meteorology, computer rooms, oil fields, electromechanical installation and maintenance, and power supply departments of industrial and mining enterprises.

UT513B

UT513C

| Output voltage (up to 5KV) | Bluetooth APP (UT513C) | Comparison function | Lithium battery (5200mAh) | Anti-Misplug |
|---|---|---|---|---|

ELECTRICAL INSTALLATION AND CABLE TESTERS

| Main features | |
|---|---|
| PI test | √ |
| DAR test | √ |
| Timing measurement | √ |
| Resistance comparison | √ |
| Voltage step | √ |
| Monitoring function | Monitor the voltage of measured object and the discharge state after testing. If voltage is higher than 36V, it is forbidden to test for protecting the tester and the operator |
| Timer testing | Record testing time automatically. Timing range: 0s~99m and 59s |
| Data storage | 999 set |
| USB interface (data transmission) | √ |
| Bluetooth APP | √(UT513C) |
| Low battery indication | √ |
| Auto power off | Around 15 minutes |
| Overvoltage category | CAT IV 600V |

| Rated voltage | UT513B | UT513C |
|---|---|---|
| 250V | <0.25MΩ: reference only<br>0.25MΩ~2.49GΩ: ±(5%+5)<br>2.50GΩ~24.9GΩ: ±(10%+10)<br>25.0GΩ~100GΩ: reference only | <0.25MΩ: reference only<br>0.25MΩ~4.99GΩ: ±(5%+5)<br>5.00GΩ~49.9GΩ: ±(10%+10)<br>50.0GΩ~250GΩ: reference only |
| 500V | <0.50MΩ: reference only<br>0.50MΩ~4.99GΩ: ±(5%+5)<br>5.00GΩ~49.9GΩ: ±(10%+10)<br>50.0GΩ~200GΩ: reference only | <0.50MΩ: reference only<br>0.50MΩ~4.99GΩ: ±(5%+5)<br>5.00GΩ~99.9GΩ: ±(10%+10)<br>100GΩ~500GΩ: reference only |
| 1000V | <1.00MΩ: reference only<br>1.00MΩ~9.99GΩ: ±(5%+5)<br>10.0GΩ~99.9GΩ: ±(10%+10)<br>100GΩ~400GΩ: reference only | <1.00MΩ: reference only<br>1.00MΩ~9.99GΩ: ±(5%+5)<br>10.0GΩ~199GΩ: ±(10%+10)<br>200GΩ~1.00TΩ: reference only |
| 2500V | <2.50MΩ: reference only<br>2.50MΩ~24.9GΩ: ±(5%+5)<br>25.0GΩ~249GΩ: ±(15%+10)<br>250GΩ~1.00TΩ: reference only | <2.50MΩ: reference only<br>2.50MΩ~24.9GΩ: ±(5%+5)<br>25.0GΩ~499GΩ: ±(15%+10)<br>500GΩ~2.50TΩ: reference only |
| 5000V | <5.00MΩ: reference only<br>5.00MΩ~49.9GΩ: ±(5%+5)<br>50.0GΩ~499GΩ: ±(15%+20)<br>500GΩ~2.00TΩ: reference only | <5.00MΩ: reference only<br>5.00MΩ~49.9GΩ: ±(5%+5)<br>50.0GΩ~999GΩ: ±(15%+20)<br>1.00TΩ~5.00TΩ: reference only |
| Capacitance test | NA | 0.01uF~15.0uF |
| Output voltage | stepping voltage range | Step by 10% of each range each time, and adjust the voltage range to 50%~120% of each range<br>UT513B + UT513C:<br>Display accuracy: ±(10% read+10V)<br>Output accuracy: +(0%~20%) |
| 250V | 250V, 275V, 300V | |
| 500V | 250V, 300V, 350V, 400V, 450V, 500V, 550V, 600V | |
| 1000V | 500V, 600V, 700V, 800V, 900V, 1000V, 1100V, 1200V | |
| 2500V | 1250V, 1500V, 1750V, 2000V, 2250V, 2500V, 2750V, 3000V | |
| 5000V | 2500V, 3000V, 3500V, 4000V, 4500V, 5000V | |
| DC voltage | 30~1000VDC: ±(3%+5) | |
| AC voltage | 30~750VAC(50Hz/60Hz): ±(3%+5) | |
| Current | 0.01nA~3.5mA | 0.01nA~5.0mA |
| Short-circuit current | about 3.5mA | about 5.0mA |

| General Characteristics | |
|---|---|
| Power supply | 14.8V, 5200mAh lithium battery |
| Product color | Black+Red |
| Product weight | About 1800g (including battery) |
| Product dimension | 238 x 166 x 90.5mm (L x W x D) |
| Package quantity | 1pcs |
| Package size | 415 x 155 x 370mm (L x W x D) |
| Accessories | User manual 1pcs; Test lead (red, black, green, 1 for each) 3pcs; USB cable 1pcs; Lithium battery charger 1pcs; Lithium battery pack 1pcs; Adapting charging stand(optional); Carrying strap 1pcs; |

# UT568A
## Acoustic Imager

UT568A Acoustic Imager supports the ultrasonic frequency band. Through the combination of the sound source and video image, the constantly changing sound source distribution data is dynamically presented on the display screen, which is convenient for quickly identifying partial discharge phenomena and improving work efficiency.

| | | | | | |
|---|---|---|---|---|---|
| Large LCD screen | Wide FOV range (62°) | Real-time image | Simple operation | PRPD spectrum supported | Adjustable frequency |

## Specifications

| Sensors | |
|---|---|
| Microphone | 128-channel MEMS digital microphone |
| Frequency band | 2kHz~48kHz |
| Field of view (Acoustic) | 62° |
| Frame rate (Acoustic) | >25FPS |
| Sound pressure sensitivity | 30dB~120dB |

| Display | |
|---|---|
| Resolution | 1024 x 600 |
| LCD size | 7 inch |
| Touch screen | Capacitive touch screen |
| Backlight | Adjustable (under-sunlight readable) |

| Digital Camera | |
|---|---|
| Field of view (image) | 62° |
| Focus | 3.04mm (Fixed) |
| Camera resolution | 8 mega pixels |

| Power | |
|---|---|
| Battery capacity | 6600mAh@7.2V |
| Battery life | Around 4 hours |
| Charging interface | USB Type-C; USB PD protocol |
| Battery charging power | Charging power of protecting the battery: around 29W<br>The single battery charging power: around 16W |

| Storage | |
|---|---|
| Extenal storage | TF card supported (up to 64GB) |
| Internal storage | Around 8G |
| Image & video format | .JPG & .MP4 |

| Working environment | |
|---|---|
| Working conditions | (-10°C~+50°C), (10%~95%; No-condensing) |
| Storage temperature | (-20°C~40°C) |
| Charging temperature | 10°C~45°C |

| Communication Interface | |
|---|---|
| Digital export | Type-C (USB 3.0) |
| Audio interface | 3.5mm jack |

| Dimension and weight | |
|---|---|
| Dimensionn | 272 x 174 x 42mm (L x W x H) |
| Weight | Around 1.7kg (Hand strap, shoulder strap not included) |

# UT500 SERIES
## Insulation Resistance Testers



UT502A

| Test Voltage | Insulation resistance (Ω) | UT501A | UT501B | UT502A |
|---|---|---|---|---|
| 100V | 0MΩ~100MΩ | ±(3%+5) | | |
| 250V | 0MΩ~99.9MΩ<br>100MΩ~5GΩ | ±(3%+5)<br>±(5%+5) | ±(3%+5)<br>±(5%+5) | |
| 500V | 0MΩ~99.9MΩ<br>100MΩ~5GΩ | ±(3%+5)<br>±(5%+5) | ±(3%+5)<br>±(5%+5) | ±(3%+5)<br>±(5%+5) |
| 1000V | 0MΩ~99.9MΩ<br>100MΩ~5GΩ | ±(3%+5)<br>±(5%+5) | ±(3%+5)<br>±(5%+5) | ±(3%+5)<br>±(5%+5) |
| 2500V | 0MΩ~99.9MΩ<br>100MΩ~9.9GΩ<br>10GΩ~20GΩ | | | ±(3%+5)<br>±(5%+5)<br>±(10%+5) |
| Test voltage accuracy | 100V/250V/500V/1000V | 0%~10% | 0%~10% | 0%~10% |
| Short-circuit current | | <2mA | <2mA | <2mA |
| AC voltage (V) | 30V~600V<br>30V~750V | ±(2%+3) | ±(2%+3) | ±(2%+3) |
| Display count | | 2000 | 2000 | 2000 |
| DAR | 60s/15s and 60s/30s | | √ | √ |
| PI | | | √ | √ |
| Meets IEC 61557 | 61557-1:2007; 61557-2:2007; 61557-4:2007 (UT502A only) | | | |
| Overvoltage category | CAT III 600V | | | |

| Features | |
|---|---|
| Auto range | High voltage indication |
| Low battery indication | Over load indication |
| LCD backlight | Auto discharge |
| Light alarm | Test voltage secondary display |
| Buzzer alarm | 10MΩ internal resistance test |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, alligator clips, elastic strap, test probes (UT502A), English manual |
| Power | 1.5V battery (LR6) x 6 |
| Display | 70.6 x 34mm |
| Product size | 150 x 100 x 71mm |
| Product net weight | 500g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 500 x 380 x 330mm |
| Standard carton gross weight | UT501A: 17.7kg; UT501B: 20.9kg; UT502A: 18.9kg |

# UT505 SERIES
## Handheld Insulation Resistance Testers

UT505 series handheld true RMS insulation resistance testers combine features of a digital multimeter and insulation resistance tester. Aside from the typical multimeter functions, these meters can also measure insulation resistance, PI and DAR to determine the insulation status. UT505 can be used in insulation resistance testing of precision tools, motors, cables, transformers, switches, electrical appliances, and insulated materials.

| Specifications | Insulation resistance (Ω) | UT505A | UT505B |
|---|---|---|---|
| 50V | 0.01MΩ~50MΩ<br>50MΩ~1GΩ<br>1GΩ~10GΩ | ±(3%+5) | ±(3%+3)<br>±(3%+3)<br>±(3%+3) |
| 100V | 0.01MΩ~100MΩ<br>100MΩ~1GΩ<br>1GΩ~20GΩ | ±(3%+5) | ±(3%+3)<br>±(3%+3)<br>±(3%+3) |
| 250V | 0.01MΩ~200MΩ<br>200MΩ~1GΩ<br>1GΩ~50GΩ | ±(1.5%+5) | ±(3%+3)<br>±(3%+3)<br>±(3%+3) |
| 500V | 0.01MΩ~500MΩ<br>500MΩ~1GΩ<br>1GΩ~100GΩ | ±(1.5%+5) | ±(3%+3)<br>±(3%+3)<br>±(3%+3) |
| 1000V | 0.1MΩ~2000MΩ<br>2GΩ~9.9GΩ<br>10GΩ~20GΩ<br>20GΩ~200GΩ | ±(1.5%+5)<br>±(10%+3)<br>±(20%+10) | ±(3%+3)<br>±(3%+3)<br>±(3%+3)<br>±(3%+3) |
| Test voltage accuracy | 50V/100V/250V/500V/1000V | 0%~10% | 0%~20% |
| Load current | 1mA | 0%~10% | 0%~10% |
| Short circuit current | | <2mA | <2mA |
| Leakage current (A) | 10~2000μA | | ±(10%+3) |
| Low resistance (Ω) | 0.01Ω~20kΩ (about 5V/>200mA)<br>0.01Ω~100Ω (about 5V/>200mA/20mA optional) | ±(1.5%+3) | ±(1.5%+3) |
| General resistance (Ω) | 0.01kΩ~10MΩ | | ±(3%+3) |
| DC voltage (V) | 0V~600V | ±(2%+3) | ±(2%+3) |
| AC voltage (V) | 0V~600V | ±(2%+3) | ±(1.5%+5) |
| Frequency (Hz) | 45~1kHz | | ±(0.1%+3) |
| Capacitance (F) | 100pF~500μF | | ±(5%+5) |
| Display count | 6000 | | |
| Compliance standard | IEC 61557; 61557-1:2007; 61557-2:2007; 61557-4:2007 | | |
| Overvoltage category | CAT IV 600V | | |

UT505A

| Features | |
|---|---|
| True RMS/analog bar graph | Continuity buzzer |
| DAR/PI timing measurement | 99-group data storage |
| Comparison measurement | Step voltage |
| Auto fuse check (UT505B) | Auto range/auto power off |
| High voltage output alarm | LCD backlight/data hold |
| Auto discharge | Low battery indication |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, test probes, alligator clips, English manual |
| Optional accessory | Remote test lead |
| Power | 1.5V battery (LR6) x 6 |
| Display | 78 x 59mm |
| Product size | 103 x 225 x 59mm |
| Product net weight | 630g |
| Standard individual packing | Carrying bag, gift box |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 325 x 320 x 205mm |
| Standard carton gross weight | UT505A: 5.5kg; UT505B: 6.3kg |

# UT510 SERIES
## Insulation Resistance Testers

CE  RoHS

### Features

| |
|---|
| Auto range/auto power off |
| Low battery indication |
| Comparison measurement |
| Polarization index (PI) |
| Dielectric absorption ratio (DAR) |
| LCD backlight |
| Over-range warning |
| High voltage indication |
| Data storage: 18 |
| Analog bar graph: 30 |

UT513A

| Test Voltage | Insulation resistance (Ω) | UT511 | UT512 | UT513A |
|---|---|---|---|---|
| 100V | 0.1MΩ~500MΩ | ±(3%+5) | | |
| 250V | 0.5MΩ~2GΩ | ±(3%+5) | | |
| 500V | 1MΩ~4GΩ | ±(5%+5) | | |
| | 0.5MΩ~5GΩ | ±(5%+5) | ±(5%+5) | |
| | 0.5MΩ~20GΩ | | | ±(5%+5) |
| 1000V | 2MΩ~10GΩ | ±(5%+5) | ±(5%+5) | |
| | 1MΩ~40GΩ | | | ±(10%+5) |
| 1500V | 5MΩ~20GΩ | | ±(5%+5) | |
| 2500V | 2.5MΩ~100GΩ | | | ±(10%+5) |
| | 10MΩ~100GΩ | | ±(10%+5) | |
| 5000V | 5MΩ~1000GΩ | | | ±(20%+5) |
| DC voltage (V) | 1000V | ±(2%+3) | | |
| | 600V | | ±(2%+5) | ±(2%+3) |
| AC voltage (V) | 750V | ±(2%+3) | | |
| | 600V | | ±(2%+5) | ±(2%+3) |
| Test voltage accuracy | | 0%~10% | 0%~20% | 0%~20% |
| Short-circuit current | | <2mA | <1.8mA | >3mA |
| Low resistance (Ω) | 0.1Ω~999.9Ω | ±(1%+3) | | |
| Test voltage secondary display | | | | √ |
| USB interface | | | √ | √ |
| Timing measurement | Around 30 minutes | √ | | |
| | Around 15 minutes | | √ | √ |
| IEC 61557 | UT513A: 61557-1:2007; 61557-2:2007 | | | |
| Overvoltage category | CAT III 600V; CAT II 1000V (UT511 only) | | | |
| Power | 1.5V battery (LR14) x 8 | | | |

### Characteristics

| | |
|---|---|
| Standard accessories | 2pcs of one plug test leads to one alligator clip (black and green), 1pcs of two plugs test lead to one alligator clip (red), batteries, USB cable (UT512/UT513A), power adaptor (UT512/UT513A), English manual |
| Optional accessories | Power adaptor (UT511) |
| Display | 123 x 58mm |
| Product size | 202 x 155 x 94mm |
| Product net weight | 500g |
| Standard individual packing | Gift box, tool box |
| Standard quantity per carton | 4pcs |
| Standard carton measurement | 505 x 345 x 345mm |
| Standard carton gross weight | UT511: 13.4kg; UT512: 15.9kg; UT513A: 18.9kg |

# UT516B
## 12kV Insulation Resistance Tester

The UT516B is a digital 12kV insulation resistance tester with 6 test voltages: 500V, 1000V, 2500V, 5000V, 10000V and 12000V. Fine adjustment of voltages with 10% step at each range (except 12000V) is available. Test data can be saved in the tester memory and transferred to a PC via the dedicated USB cable. UT516B is easy to operate and widely used in measurement and maintenance of power equipment, power supply circuits, motors, cables, and other insulation materials.

**AC/DC voltage** · **USB data transfer** · **Low battery indication** · **Data storage** · **LCD backlight**

**PI Polarization Index** · **Over-range alarm** · **9999 Max display** · **Comparative measurement** · **Measurement time selection**

UT516B

| | Test Voltage | Range | Accuracy |
|---|---|---|---|
| Insulation Resistance Measurement | 500V | 0.50MΩ~4.99G<br>5.00G~49.9GΩ<br>50.0GΩ~500GΩ | ±(5%+5)<br>±(10%+10)<br>for reference only |
| | 1000V | 1.00MΩ~9.99GΩ<br>10.0G~99.9GΩ<br>100GΩ~1000GΩ | ±(5%+5)<br>±(15%+10)<br>for reference only |
| | 2500V | 2.50MΩ~24.9GΩ<br>25.0G~249GΩ<br>250GΩ~2.5TΩ | ±(5%+5)<br>±(15%+10)<br>for reference only |
| | 5000V | 5.00MΩ~49.9GΩ<br>50G~499GΩ<br>500GΩ~5.0TΩ | ±(5%+5)<br>±(15%+20)<br>for reference only |
| | 10000V | 10.0MΩ~99.9GΩ<br>100G~999GΩ<br>1000GΩ~10TΩ | ±(10%+10)<br>±(20%+20)<br>for reference only |
| | 12000V | 12.0MΩ~99.9GΩ<br>100G~999GΩ<br>1000GΩ~10TΩ | ±(10%+10)<br>±(20%+20)<br>for reference only |
| Output voltage | | 500V, 1000V, 2500V, 5000V<br>10000V, 12000V | 0~+10%<br>-5~+10% |
| Load current | 500V, 1000V, 2500V, 5000V<br>10000V, 12000V | 1mA<br>0.15~1.2mA | 0%~+20%<br>0%~+20% |
| DC voltage measurement | 30V~1000V | | ±(3%+5) |
| AC voltage measurement | 30V~750V (50~60Hz) | | ±(3%+5) |
| PC software for data analysis | √ | | |
| Backlight Function | √ | | |
| Data storage | 999 sets of data | | |
| Dielectric Absorption Ratio (DAR) | 0.00~999 | | |
| Polarization Index (PI) | 0.00~999 | | |

| Characteristics | |
|---|---|
| Standard accessories | User manual, test leads (red/black/green 1 each), USB cable, power adaptor, 1.5V alkaline batteries |
| Power | 1.5V alkaline batteries (LR14) X 10, power adapter |
| Display | 71 x 34mm |
| Product size | 410 x 342 x 204mm |
| Product net weight | 6.6kg |
| Standard individual packing | Gift box, tool box |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 510 x 320 x 420mm |
| Standard carton gross weight | 10.2kg |

ELECTRICAL INSTALLATION AND CABLE TESTERS

# UT520 SERIES
## Digital Earth Testers

UT520 series can perform precise 3-wire and simple 2-wire earth resistance measurement for power and electrical systems, lightning protection equipment, and ground system of all electrical equipment. This series is UNI-T's introductory earth resistance tester with high economic value. Its lightweight design is convenient for field work.

UT522

| Specifications | Range | UT521 | UT522 |
|---|---|---|---|
| Earth resistance (Ω) | 0~20Ω | ±(2%+10) | |
| | 0~200Ω | ±(2%+3) | |
| | 0~2000Ω | ±(2%+3) | |
| | 0~40Ω | | ±(2%+20) |
| | 0~400Ω | | ±(2%+3) |
| | 0~4000Ω | | ±(2%+3) |
| AC earth voltage (V) | 0~200V | ±(1%+4) | |
| | 0~400V | | ±(1%+6) |
| | Frequency: 50Hz/60Hz | √ | √ |
| Display count | | 2000 | 4000 |
| Data storage | | 20 | 20 |
| Overvoltage category | CAT III 600V | | |

| Features | |
|---|---|
| Manual range | Double insulation protection |
| Low battery indication | Poor contact display: "...Ω" |
| Data hold | Over-range display: Display "OL" |
| LCD backlight/auto power off | Simple 2-wire testing |
| Full icon display | Precise 3-wire testing |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, simple test leads with alligator clips, standard test leads with alligator clips, earth spike, elastic strap, English manual |
| Power | 1.5V battery (LR6) x 6 |
| Display | 70.6 x 34mm |
| Product size | 160 x 100 x 70.5mm |
| Product net weight | 560g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 8pcs |
| Standard carton measurement | 530 x 300 x 350mm |
| Standard carton gross weight | 19kg |

# UT526
## Multifunction Electrical Meter

UT526 is a multifunctional electrical installation tester. It can be used to test insulation resistance, RCD status, low resistance continuity, and voltage measurements. UT526 can also be used to test power distribution system, lightning protection system and wiring systems to ensure safe operations.

UT526

ELECTRICAL INSTALLATION AND CABLE TESTERS

| Specifications | Range | UT526 |
|---|---|---|
| Test voltages | Insulation resistance (Ω) | |
| 250V | 0.05MΩ~200MΩ | ±(5%+5) |
| 500V | 0.05MΩ~300MΩ | ±(5%+5) |
| 1000V | 0.05MΩ~500MΩ | ±(5%+5) |
| Load current | 1mA | ±10% |
| Short circuit current | <2mA | √ |
| **RCD** | | |
| Operating voltage (Freq.) | 220V (45Hz~65Hz) | ±10% |
| Test current | 10mA/30mA/100mA/300mA | 0~20% |
| Trip time | 0ms~2000ms (10mA) | ±(5%+2) |
| | 0ms~500ms (30mA) | ±(5%+2) |
| | 0ms~300ms (100mA, 300mA) | ±(5%+2) |
| Low resistance continuity | Range: 0Ω~2000Ω | ±(2%+5) |
| | Test voltage: around 5V | √ |
| | Test current: >200mA (R<2Ω) | √ |
| AC/DC Voltage measurement | 0~440V | ±(5%+2) |
| Frequency measurement | 20~100Hz (for reference only) | √ |
| Display count | | 10000 |
| Manual range | | √ |
| Phase switch (RCD) | 0°and 180° | √ |
| Low battery indication | | √ |
| Auto AC voltage identification | | √ |
| Auto DC voltage identification | | √ |
| Red warning lights | | √ |
| Overvoltage category | CAT III 600V | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, carrying bag, elastic strap, test leads, alligator clips, test line, English manual |
| Power | 1.5V battery (LR6) x 6 |
| Display | 71 x 34mm |
| Product size | 160 x 100 x 71mm |
| Product net weight | 380g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 445 x 440 x 180mm |
| Standard carton gross weight | 12.8kg |

# UT572

## Advanced Earth Resistance Tester

$\text{C}\,\text{E}$

**UT572 is for measuring earth resistance and soil resistivity. It can automatically check interface connection and detect interference voltage/frequency. UT572 can perform 2/3/4-wire measurements for different on-site applications, such as power equipment wiring and lightning protection equipment.**

UT572

| Specifications | Range | Accuracy |
|---|---|---|
| Earth resistance (Re) | 4Ω | ±(3%+15) |
| | 40Ω/400Ω/4kΩ/40kΩ | ±(3%+5) |
| Soil resistivity (ρ) | 4Ω | ±(3%+15) |
| | 40Ω/400Ω/4kΩ/40kΩ | ±(3%+5) |
| Disturbance voltage (Ust) | 50V (DC voltage/40Hz~500Hz) | ±(3%+3) |
| Disturbance frequency (Fst) | 40Hz~500Hz | ±(1%+2) |
| Data storage | 20 | |
| Overvoltage category | CAT III 600V | |

| Features | |
|---|---|
| 2/3/4-wire test | Data hold |
| Earth resistance test frequency: 94/128Hz | LCD backlight |
| Soil resistivity test distances: 1~40m | Auto power off |
| Earth resistance RH and RS test | Low battery indication: ≤9.5V |
| Compensating resistance RK test | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, simple test leads with alligator clips (double plugs x 1, single plug x 1), earth spike x 4, standard test leads with alligator clips (40m red x 1, 20m red x 1, 20m black x 1, 10m yellow x 1, 5m green x 1), elastic strap |
| Optional accessories | 1.5V battery (LR6) x 8 |
| Display | 125 x 37mm |
| Product size | 210 x 175 x 90 mm |
| Product net weight | 1.1kg |
| Standard individual packing | Gift box, carrying bag, toolbox, English manual |
| Standard quantity per carton | 2pcs |
| Standard carton measurement | 475 x 378 x 335mm |
| Standard carton gross weight | 14kg |

# UT582+

## Digital RCD (ELCB) Tester

UT582+ is mainly used to detect whether the RCD in the circuit can be triggered normally. It is only suitable for single-phase circuits with the supply voltage range of 195V~253V. Its voltage measurement range is 30V~600V, 45Hz~65Hz.



UT582+

| Features | |
|---|---|
| Power off gear | Over-range display: OL |
| LCD backlight | With protect fuses |
| Data hold | Mis-operation buzzer |
| Auto ramp | Power off buzzer |
| Disconnect buzzer | Full icon display |

| Range setting | Rated operating current | Trip time | Accuracy |
|---|---|---|---|
| X 1/2 | 10mA/20mA/30mA/100mA/300mA/500mA | 2000ms | -10%~0% |
| X 1 | 10mA/20mA/30mA/100mA/300mA | 1000ms | 0%~10% |
| | 500mA | 300ms | 0%~10% |
| X 5 | 10mA/20mA/30mA | 40ms | 0%~10% |
| Auto ramp | 10mA/20mA/30mA/100mA/300mA/500mA | 300ms | -10%~10% |
| Trip time accuracy | ±(2%+2) | | |
| Operating voltage (Freq.) | 195V~253V | | |
| Voltage measurement | | | |
|    Voltage range | 30~600V | | |
|    Frequency | 45Hz~65Hz | | |
|    Resolution | 1V | | |
|    Accuracy | ±(3%+3) | | |
| Display count | 1000 | | |
| Low battery indication | <7.2V | | |
| APO auto power off | √ | | |
| Phase angle selection | 0° and 180° | | |
| Connections check | Simultaneously test the trip time and trip current | | |
| Compliance standards | IEC 61010-1, IEC 61010-2-030, IEC 61010-2-033, IEC 61557-1:2007; IEC 61557-6:2007, EN61326-1, EN61326-2-2 | | |
| Lead sequence check | LCD | | |
| Overvoltage category | CAT III 600V | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, elastic strap, English manual |
| Power | 1.5V battery (LR6) x 6 |
| Display | 71 x 34mm |
| Product size | 160 x 100 x 71mm |
| Product net weight | 400g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 425 x 280 x 180mm |
| Standard carton gross weight | 4.9kg |

ELECTRICAL INSTALLATION AND CABLE TESTERS

# UT600 SERIES
## Inductance Capacitance Meters

CE  RoHS

UT600 series digital inductance capacitance meters are used to test resistors, capacitors and inductors. They can also be used to measure transistor parameters. These meters can be used to check electronic components in labs, production lines, maintenance facilities and schools.

UT603

| Specifications | Range | UT601 | UT603 |
|---|---|---|---|
| Resistance (Ω) | 20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ/2000MΩ | ±(0.8%+1) | |
| | 200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ | | ±(0.8%+1) |
| Capacitance (F) | 200pF/2nF/20nF/200nF/2uF/20uF/200uF/2mF/20mF | ±(0.5%+10) | |
| | 2nF/20nF/200nF/2uF/20uF/200uF/600uF | | ±(1%+5) |
| Inductance (H) | 2mH/20mH/200mH/2H/20H | | ±(2%+8) |
| Display count | | 2000 | 2000 |

| Features |
|---|
| Manual range |
| Continuity buzzer |
| Diode/transistor |
| Low battery indication |

| Characteristics | |
|---|---|
| Standard accessories | Battery, test leads with alligator clips, holster, English manual |
| Power | 9V battery (6F22) |
| Display | 61 x 32 mm |
| Product size | 172 x 83 x 38mm |
| Product net weight | UT601: 310g, UT603: 312g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 450 x 330 x 340mm (0.099CBM per standard carton) |
| Standard carton gross weight | 9.6kg |

# UT612
## LCR Meter

**UT612 LCR meter is used to measure inductance, capacitance and resistance. Advanced features include series/parallel measurement modes, quality factor/ loss/phase angle measurements, equivalent/DC resistance measurements and 5 selectable frequencies in AC mode. UT612 can be used in production lines, component inspection and electronic maintenance.**

| Features |
|---|
| Auto power off |
| Data hold |
| Relative mode |
| USB interface |
| LCD backlight |
| Deviation ratio measurement |
| Comparison function |
| Calibration function |
| Output impedance: 120Ω |
| Auto LCR check and measurement |
| Low battery indication: ≤6.8V |

UT612

| Specifications | Range | Accuracy |
|---|---|---|
| Inductance (H) | 20uH~2000H | ±(0.5%+5) |
| Capacitance (F) | 200pF~20mF | ±(0.5%+5) |
| Resistance (Ω) | 20Ω~200MΩ | ±(0.3%+5) |
| Test frequency (Hz) | 100Hz/120Hz/1kHz/10kHz/100kHz | |
| Operating voltage | 0.6Vrms | |
| Test parameters | L/C/R/DCR/Q/D/θ/ESR | |
| Display count | 20000 | |
| D/Q display count | 2000 | |
| D/Q resolution | 0.001 | |
| Auto range | √ | |
| Test frequency real-time display | √ | |
| Measurement mode | Series/Parallel | |
| PC data records | 60000 | |
| Analog bar graph | 26 | |

| Characteristics | |
|---|---|
| Standard accessories | Battery, SMD test clamp, USB interface cable, multi-purpose socket, English manual |
| Optional accessories | USB power adaptor |
| Power | 9V battery (6F22) or USB |
| Display | 40 x 63mm |
| Product size | 96 x 193 x 47mm |
| Product net weight | 374g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 370 x 305 x 475mm |
| Standard carton gross weight | 13.2kg |

meters.uni-trend.com

ELECTRICAL INSTALLATION AND CABLE TESTERS

PAGE 021

# UT620A
## Digital Micro Ohm Meter

**UT620A is used to measure DC low resistance through 4-wire method. Its features are: Comparison function to determine if the device is in good condition, unknown wire length calculation (FT/M); two-way data transmission by USB interface. UT620A can be used in narrow space for on-site troubleshooting, such as metal coating resistance, motor and small transformer winding resistance, welding points, power distribution cabinet bus, lead connection inspections, and more.**

UT620A

| Features |
|---|
| Four-wire measurement |
| Wire length measurement |
| High/low limit alarm |
| USB data transmission |
| Backlight |
| Relative value |
| Low battery indication |

| Specifications | Range | Accuracy |
|---|---|---|
| Resolution | 10uΩ | |
| Resistance (Ω) | 120mΩ/5A | ±(0.25%+25) |
| | 600mΩ/1A | ±(0.25%+25) |
| | 6Ω/100mA | ±(0.25%+25) |
| | 60Ω/10mA | ±(0.25%+25) |
| | 600Ω/1mA | ±(0.25%+25) |
| | 6kΩ/100uA | ±(0.75%+30) |
| | Measurement range (accuracy) | 0~1mΩ |
| Display count | 60000 | |
| Data storage | 1000 | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads with Kelvin clips, power cord, power adaptor, USB interface cable, English manual |
| Optional accessories | Four-wire test probes (red & black) x 1 |
| Power | Li-ion battery 7.4V 4000mAh |
| Display | 116 x 87.5mm |
| Product size | 268 x 168 x  60mm |
| Product net weight | 1.5kg |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 1pcs |
| Standard carton measurement | 370 x 90 x 290mm |
| Standard carton gross weight | 3kg |

# UT681 SERIES
## Cable Testers

UT681L

UT681C

UT681HDMI

| Specifications | Description | UT681L | UT681C | UT681HDMI |
|---|---|---|---|---|
| To test for: RJ45/RJ11 | | √ | | |
| To test for: RJ45/RJ11/BNC | Need to use RJ45 to BNC adaptor | | √ | |
| To test for: HDMI/MINI-HDMI | | | | √ |
| Fast test mode | LED1~LED8, LED_G | √ | √ | |
| Slow test mode | LED1~LED8, LED_G | √ | √ | |
| Scan test mode | LED1~LED19, LED_S | | | √ |
| Full display test mode | LED1~LED19, LED_S | | | √ |
| To test for the case of short circuit, crossover, open circuit, etc. | | √ | √ | √ |
| Ethernet cable: shielded/ unshielded test | | √ | √ | √ |
| Manual shutdown function | | √ | √ | √ |
| Auto shutdown function | No operation within 10 minutes | √ | √ | √ |
| Single key operation | | √ | √ | √ |
| Power supply: 9V battery | | √ | √ | √ |
| Low battery detection | Less than 7.2V | √ | √ | √ |
| Working temperature: 0°C~40°C | | √ | √ | √ |
| Storage temperature: -10°C~50°C | | √ | √ | √ |
| Working humidity: 20~80%RH | | √ | √ | √ |
| Storage humidity: 10~90%RH | | √ | √ | √ |
| Altitude: ≤2000 meters | | √ | √ | √ |
| Safety standard | EN61326-1: 2013; EN61326-2-2: 2013 | √ | √ | √ |

| Characteristics | |
|---|---|
| Standard accessories | 9V battery, BNC to RJ45 adaptor (UT681C), English manual |
| Product size | Transmitter: 102 x 62 x 28mm; receiver: 102 x 37 x 28mm |
| Product net weight | Transmitter: 87g; receiver: 51g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 455 x 410 x 225mm |
| Standard carton gross weight | UT681L: 6.4kg; UT681C: 8.7kg; UT681HDMI: 9.5kg |

# UT682 SERIES
## Wire Tracker/Tone and Probe



UT682 Wire Tracker                    UT682D Tone and Probe

**UT682 wire tracker consists of a transmitter and a receiver, it is able to track ethernet/telephone/power cables without opening their insulation. UT682 can troubleshoot ethernet cables and is a recommended tool for debugging communication cables and audio/video cables.**

| Specifications | UT682 | UT682D |
|---|---|---|
| LAN cable/telephone line/coaxial cable/electric wire | √ | |
| Telephone line/twisted-pair/electric wire | | √ |
| Indication light for signal strength | √ | |
| Live switchboard wire tracing | √ | |
| Switchboard wire tracing distance | ≥100m | |
| Telephone lines tracking distance | ≥3000m | ≥3000m |
| Cables tracking distance | ≥320m | |
| Open and short circuit test | √ | |
| Polarity indication for telelphone lines | √ | √ |
| Broken wire tracking | √ | |
| Transmitter low battery indication | √ | √ |
| Headphone jack for receiver | √ | |
| Line sequence measurement | 9 LEDs | |
| Line sequence measuring speed | Fast and slow selectable | |
| LAN cable: shielded/unshielded indication | √ | |

| Characteristics | |
|---|---|
| Standard accessories | 9V battery x 2, RJ11 cable (UT682), RJ45 cable (UT682), RJ11 cable with alligator clips (UT682), English manual |
| Product size | UT682: Transmitter-125 x 48 x 28mm, receiver-195 x 48 x 30mm UT682D: Transmitter-74 x 68 x 28mm, receiver-208 x 47 x 33mm |
| Product net weight | UT682: Transmitter-125g, receiver-153g; UT682D: Transmitter-150g, Receiver-130g |
| Standard individual packing | Gift box, carrying bag (UT682) |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 425mm x 335mm x 290mm |
| Standard carton gross weight | 8.4kg |

# UT683KIT
## Wire Tracker

**The device is an intelligent wire tracker which consists of the transmitter and receiver, this kit is designed with strong anti-interference ability. The receiver can quickly and accurately locate the target cable. This kit can automatically identify open, short, polarity, and quickly distinguish cable failure.**



UT683KIT

| Specifications | Description |
|---|---|
| **Transmitter** | |
| Port flashing | √ |
| Wire tracking | √ |
| Line alignment | √ |
| Open-short test | 10kΩ |
| Polarity test | √ |
| Operating time | >8 hours |
| **Receiver** | |
| Wire tracking | RJ11>3000m; RJ45>100m |
| NCV function | √ |
| Headset jack | 3.5mm |
| Low battery indication | √ |
| Operating time | >5 hours |

| Characteristics | |
|---|---|
| Standard accessories | USB cable, RJ11 alligator clip test cable, RJ45 test cable, RJ11 test cable, English manual |
| Power | 1050mAh rechargeable lithium battery |
| Product size | Transmitter-130 x 51 x 28mm; Receiver-197 x 48 x 34mm |
| Product net weight | Transmitter: around 95g; Receiver: around 127g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 480 x 370 x 325mm |
| Standard carton gross weight | About 10kg |

# UT685B KIT
## TDR Cable Tester

**UT685B can test various types of cables (including twisted pair, coaxial cable, and POE network cable): you can find the cable, detect the cable length, and line sequence, and confirm whether it is POE and POE standards. Plus, it integrated RJ11, RJ45, and coax test ports to support virtually any low-voltage cable testing without needing awkward adapters.**

**Effectively reduce the operator's ineffective testing and improve work efficiency, which makes high-quality installations more efficient and easier to troubleshoot.**

**TDR**
TDR supported
(no blind area)

High resolution
(about 0.3m)

Various types of cables

Cable length test
(up to 500m)

Input protection

**POE**
POE detection

UT685B KIT

| Model | UT685B KIT |
|---|---|
| Language | EN, FR, DE, IT, ES, SV, PL, CZ |
| Tested cable type | Twisted pair cable:<br>1, UTP (unshielded cable);<br>2, FTP (aluminum foil shielded cable);<br>3, SSTP (double shielded network cable); |
| | Coaxial cable: 50Ω, 75Ω, 93Ω |
| Cable length test | Range: 500m |
| | Resolution: 0.33m |
| | Accuracy: ± 4% or 0.6 m |
| POE detection | POE power detection |
| | POE standard: 802.3AF |
| | POE standard: 802.3AT |
| Ethernet port test | √ |
| Cable location | √ |
| Port blinks | √ |
| Input protection | 70VDC |
| Screen | 2.8" LCD |
| Auto power off | Around 10 minutes |

| Features | |
|---|---|
| TDR supported (no blind area) | High resolution (about 0.3m) |
| Various types of cables | Wide measurement range |
| Input protection | Auto power off |

| Characteristics | |
|---|---|
| Power | AAA alkaline batteries x 4 |
| Product size | 180 x 84 x 37.8mm |

# UT658 SERIES
## USB Testers

UT658 series USB testers are used to inspect USB chargers and portable power sources of electronic products. It can output voltage, current, and power. Users can use this device to monitor the charging status of any USB-powered device.

**Tester with electronic load (UT658LOAD)**

UT658B          UT658DUAL          UT658LOAD

| Specifications | Range | UT658B | UT658DUAL | UT658LOAD |
|---|---|---|---|---|
| Input & Output ports (Type A) | | √ | √ | √ |
| Input & Output ports (Type C) | | | √ | |
| Data/charging protocol | | 2.0 | 2.0/(3.0/4.0) | 2.0/3.0 |
| Voltage range | 4~24VDC, resolution: 0.01V | 3V~9V; Resolution:0.01V | √ | √ |
| Current range (Type-A) | 0.05~3ADC, resolution: 0.01A | 0A~3.5A; Resolution: 0.01A | √ | √ |
| Current range (Type-C) | 0.05~5ADC, resolution: 0.01A | | √ | |
| Capacity | 0~99999mAh, resolution: 1mAh | √ (0~39999mAH) | √ | √ |
| Energy | 0~1000Wh | | √ | √ |
| Circuit equivalent resistance measurement | 1~480Ω | | √ | √ |
| USB data cable voltage (D+, D-) | 0~3.3V | | √ | √ |
| Data storage | 10 sets | √ | √ | √ |
| Electrical load (UT658LOAD only) | 0.5A, 1A, 2A, 3A (Max power: 60W) | | | √ |
| Maximum recording time | 99h, 59min, 59sec; resolution: 1s | | √ | √ |
| Fast charge protocol (Type-A) | QC 3.0 fast charge protocol | | √ | √ |
| Fast charge protocol (Type-C) | QC 4.0 fast charge protocol | | √ | |

| Characteristics | |
|---|---|
| Product size | UT658DUAL: 93 x 55 x 13mm; UT658LOAD: 122 x 53 x 27mm |
| Product net weight | UT658B: 30g; UT658DUAL: 65.8g; UT658LOAD: 114.4g; |
| Standard individual packing | UT658B: Gift box; UT658DUAL/UT658LOAD: Gift box, English manual |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | UT658B: 205 x 170 x 170mm; UT658DUAL: 280 x 220 x 225mm; UT658LOAD: 320 x 300 x 225mm |
| Standard carton gross weight | UT658B: 2.3kg; UT658DUAL: 5.5kg; UT658LOAD: 9kg; |

# UT673A/UT675A

## Battery Testers

CE  UKCA  FC  RoHS✓

UT673A/UT675A battery testers can be used to analyze the battery health of automobile batteries, suitable for battery capacities from 3 to 250Ah. These CE certified testers can rapidly and accurately detect common battery faults. UT675A also includes USB communication and built-in printer for report generation.

| | | | | |
|---|---|---|---|---|
| 12V cranking lead acid battery test | 12/24V charging or cranking system test | Displays battery capacity, voltage, resistance and life | Four-terminal Kelvin test | 10 types of battery standards |
| Language option (Chinese/English) | Test without battery disassembly | LED color indication (UT673A) | Printing of test reports (UT675A) | USB data transfer (UT675A) |

| Specifications | Range | UT673A | UT675A |
|---|---|---|---|
| 12V battery test | 7~16V DC | √ | √ |
| 12V/24V cranking system test | 7~30V DC | √ | √ |
| 12V/24V charging system test | 7~30V DC | √ | √ |
| Battery type | Lead acid battery, AGM battery, GEL battery, EFB battery | | |
| Battery capacity | 3~250Ah | √ | √ |
| Battery standards and range | CCA: 40~2000; BCI: 40~2000; CA: 40~2000; MCA: 40~2000; JIS: 26A17~245H52; DIN: 40~1400; IEC: 40~1400; EN: 40~2000; SAE: 40~2000; AH: 3~250AH | | |
| USB communication | | | √ |
| Printing function | | | √ |

| Features |
|---|
| Over voltage protection |
| Reverse connection protection |
| A prompt of poor contact |
| Battery status display |
| Battery life display |
| Battery capacity display |
| Battery internal resistance display |

UT673A

| Characteristics | |
|---|---|
| Standard accessories | UT673A: English manual; UT675A: English manual, USB cable, printing paper 3 rolls, carrying bag |
| Power | None, powered by external source |
| Display | 128 x 64 black and white lattice |
| Product size | UT673A: 76 x 22 x 142mm; UT675A: 95 x 47 x 183mm |
| Product net weight | UT673A: 264g; UT675A: 413g |
| Standard individual packing | UT673A: Blister; UT675A: Gift box, carrying bag |
| Standard quantity per carton | UT673A: 30pcs; UT675A: 10pcs |
| Standard carton measurement | UT673A: 650 x 380 x 350mm; UT675A: 590 x 470 x 260mm |
| Standard carton gross weight | UT673A: 13.6kg; UT675A: 9.3kg |

UT675A

# UT691 SERIES
## Visual Fault Locators

UT691 visual fault locator is designed for optical fiber fault detection and locating, end to end optical fiber identification and more. It is IP54 rated, uses 650nm visible red light with 2 emitting modes. With functions of APO, battery status indicator and flashlight, it can be widely used in the fields of optical cable construction and maintenance, optical fiber communication or sensing, and optical CATV.

UT691-01

| Specifications | UT691-01 | UT691-10 |
|---|---|---|
| Total output power | <1mW | <15mW |
| Optical fiber length range | 1~3km | 8~10km |
| Battery life | >10h | >7h |
| Wavelength of redight | 630~670nm | |
| Optical fiber adapter | 2.5mm universal connector | |
| Battery type | 3.7V 1050mAh polymer lithium battery | |
| Battery status display | The battery status will be shown by 4 blue LED (not in flashlight) | |
| Green indicator | Indicates auto power off state which LED will flash white light for 3 times | |
| Laser mode | Continuous mode/Pulse mode | |
| Charge voltage and current | DC 5V, <1A | |
| APO | 15min auto power off (can be canceled) | |
| Warning symbol | √ | |
| Warning | √ | |
| Key press test | >5000 times | |
| Drop test | 1m | |

| Characteristics | |
|---|---|
| Power | 1050mAh rechargeable battery |
| Product size | 130 x 38 x 27mm |
| Product net weight | 62g |
| Standard individual packing | Gift box, English manual |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 285 x 245 x 155mm |
| Standard carton gross weight | About 2.8kg |

# UT701

## Single Function Temperature Calibrator

CE RoHS

| Features |
|---|
| Up to 0.05% output accuracy |
| 6 digit display |
| Output functions: DC voltage, resistance, thermocouple, and thermal resistance |
| 10 thermocouple scales |
| 4 thermal resistance scales |
| High precision automatic cold junction compensation for thermocouple outputs |
| Manual stepping and automatic stepping and ramping |
| Stores and recalls setups |

UT701
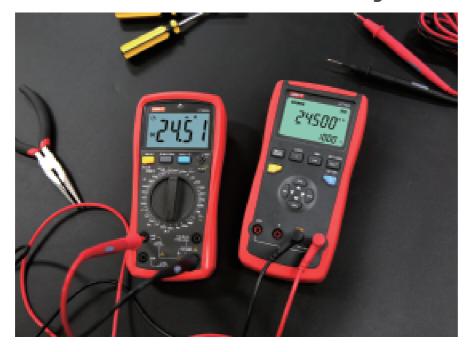
| Type | Range | Accuracy |
|---|---|---|
| DC (mV) | 100mV | ±(0.05%+20) |
| | 1000mV | ±(0.05%+3) |
| Resistance (Ω) | 500Ω | ±(0.05%+2) |
| | 5000Ω | ±(0.05%+2) |
| **Thermocouples** | | |
| J | -20~1200°C (-328~2192°F) | ±0.7°C |
| K | -200~1370°C (-328~2498°F) | ±1°C |
| T | -200~400°C (-328~752°F) | ±0.8°C |
| E | -200~950°C (-328~1742°F) | ±0.7°C |
| R | -20~1750°C (-4~3182°F) | ±1.4°C |
| S | -20~1750°C (-4~3182°F) | ±1.5°C |
| B | 600~1800°C (1112~3272°F) | ±1.4°C |
| N | -200~0~1300°C (-328~2372°F) | ±0.9°C |
| Wre325 | 0~2000°C (32~3632°F) | ±1.8°C |
| Wre526 | 0~2300°C (32~4172°F) | ±1.8°C |
| **RTDs** | | |
| Pt10 | -200~850°C (-328~1562°F) | ±(0.5%+6°C) |
| Pt100 | -200~850°C (-328~1562°F) | ±(0.05%+0.6°C) |
| Cu50 | -50~150°C (-58~302°F) | ±(0.05%+0.6°C) |
| Cu100 | -50~150°C (-58~302°F) | ±(0.05%+0.6°C) |
| Ramp functions | Source functions: voltage, resistance, temperature Ramps: slow ramp, fast ramp, 25% step-ramp | |
| Step functions | Source functions: voltage, resistance, temperature Steps: 25% of range, 100% of range | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, battery, English manual |
| Power | 9V battery (6F22) |
| Display | 63 x 40mm |
| Product size | 96 x 193 x 47mm |
| Product net weight | 410g |
| Standard individual packing | Gift box, cloth bag |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 325 x 225 x 285mm |
| Standard carton gross weight | 4.5kg |

# UT705

## Single Function Loop Calibrator





UT705

| Type | Range | Accuracy |
|------|-------|----------|
| **Measurement** | | |
| DC voltage (V) | 30V | ±(0.02%+2) |
| DC current (A) | 4-20mA | ±(0.02%+2) |
| Loop current | 4-20mA | ±(0.02%+2) |
| **Source** | | |
| DC current (source) | 4-20mA | ±(0.02%+2) |
| DC current (simulate) | 4-20mA | ±(0.02%+2) |
| Loop power function | Voltage: 24V; Accuracy: 10% | |
| Ramp functions | Source functions: Voltage, resistance, temperature Ramps: Slow ramp, Fast ramp, 25% step-ramp | |
| Step functions | Source functions: Voltage, resistance, temperature Steps: 25% of range, 100% of range | |

| Features |
|----------|
| Measures: DC voltage, DC current, 4-20mA loop current |
| Output functions: DC current, analog transmitter, 24V loop |
| Up to 0.02% accuracy |
| Provides 24V loop power to transmitter while conducting mA current measurement at the same time |
| Automatic ramp for DC current output |
| Manual stepping and automatic stepping and ramping output |
| Stores and recalls setups |

| Characteristics | |
|-----------------|---|
| Standard accessories | Test leads, battery, English manual |
| Power | 9V battery (6F22) |
| Display | 63 x 40mm |
| Product size | 96 x 193 x 47mm |
| Product net weight | 410g |
| Standard individual packing | Gift box, cloth bag |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 325 x 225 x 285mm |
| Standard carton gross weight | 4.5kg |

# UT714

## Multifunction Temperature Process Calibrator

CE UKCA RoHS

**The UT714 is powerful temperature calibrator that sources and measures thermocouples, RTDs, voltage, and resistance. It can be used to test and calibrate different types of temperature instruments. This device is suitable for testing input/output temperature terminals such as sensors and transmitters.**

UT714

| Type | Range | Accuracy |
|---|---|---|
| **Measurement** | | |
| DC voltage (V) | 50mV/500mV/30V | ±(0.02%+2) |
| Resistance (Ω) | 500Ω/5000Ω | ±(0.05%+10) |
| Thermocouples | R,S,K,E,J,T,N,B,L,U | |
| RTDs | Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50/Cu100/Pt100-392/Pt100-JIS/Ni120 | |
| Continuity test | √ | |
| **Source** | | |
| DC voltage (V) | 100mV/1000mV/10V | ±(0.02%+10) |
| Resistance (Ω) | 400Ω/4000Ω | ±(0.05%+10) |
| Thermocouples | R,S,K,E,J,T,N,B,L,U | |
| RTDs | Pt100-385/Pt100-392/Pt100-JIS/Pt200-385/P500-385/Pt1000-385/Cu10/Cu50/Cu100/Ni120 | |
| Display count | 20000 | |
| Operating temperature | -10°C~55°C | |

| Features | |
|---|---|
| Step/ramp functions | Source and measure accuracy up to 0.02% |
| Rechargeable battery | Contrast adjustment |
| Auto power off (Time adjustable) | Stores and recalls setups |
| USB communication | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, USB cable, power adapter, temperature probe, English manual |
| Power | 1.2V x 6 AA rechargeable battery |
| Product size | 195 x 95 x 58mm |
| Product net weight | 650g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 305 x 85 x 260mm |
| Standard carton gross weight | 1.5kg |

# UT715

## Multifunction Loop Process Calibrator

The UT715 multifunction loop process calibrator, it measures and sources loop current and voltage. It is designed with 0.02% accuracy, adjustable backlight and auto power off. UT715 is a powerful tool for calibration, repair, and maintenance of industrial control systems.

UT715

| Type | Range | Accuracy |
|---|---|---|
| **Measurement** | | |
| DC voltage (V) | 200mV/30V | ±(0.02%+2) |
| DC current (mA) | 24mA | ±(0.02%+2) |
| Loop current (mA) | 24mA | ±(0.02%+2) |
| Frequency (Hz) | 100Hz/1kHz/10kHz/100kHz | ±(0.01%+1) |
| Continuity test | √ | |
| **Source** | | |
| DC voltage (V) | 100mV/1000mV/10V | ±(0.02%+10) |
| DC current (mA) | 24mA/24mA (SIM) | ±(0.02%+2) |
| Frequency (Hz) | 200Hz/2000Hz/20kHz | ±(0.01%+1) |
| Pulses (Hz) | 100Hz/1kHz/10kHz | ±1 |
| Loop power output | 24V | ±10% |
| Display count | 20000 | |
| Operation temperature | -10°C~55°C | |

| Features | |
|---|---|
| Step/ramp functions | Source and measure accuracy up to 0.02% |
| Rechargeable battery | Contrast adjustment |
| Auto power off (Time adjustable) | Stores and recalls setups/USB communication |
| Provides 24V loop power to transmitter while conducting mA current measurement at the same time | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, USB cable, power adapter, English manual |
| Power | 1.2V x 6 AA rechargeable battery |
| Product size | 195 x 95 x 58mm |
| Product net weight | 650g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 305 x 85 x 260mm |
| Standard carton gross weight | 1.5kg |

# UT725

## Multifunction Process Calibrator

CE  UKCA  RoHS

The UT725 multifunction process calibrator combines temperature process calibrator and loop process calibrator functions. Users can easily measure and source most of the process parameters: mA, volts, temperature, frequency, ohms in one tool. UT725 is useful tool in a wide range of industrial applications.



UT725

| Features |
| --- |
| Step/ramp functions |
| Source and measure accuracy up to 0.02% |
| Rechargeable battery |
| Contrast adjustment |
| Auto power off (Time adjustable) |
| Stores and recalls setups |
| USB communication |
| Simultaneously measure and output different process signal in real time |
| Pressure measure with specified pressure modules, and sourcing pressure |
| Provides 24V loop power to transmitter while conducting mA current measurement at the same time |

| Type | Range | Accuracy |
| --- | --- | --- |
| **Measurement** | | |
| DC voltage (V) | 50mV/500mV/50V | ±(0.02%+2) |
| DC current (mA) | 20mA | ±(0.02%+2) |
| Loop current (mA) | 20mA | ±(0.02%+2) |
| Resistance (Ω) | 500Ω/5000Ω | ±(0.05%+10) |
| Frequency (Hz) | 100Hz/1kHz/10kHz/100kHz | ±(0.01%+1) |
| Thermocouples | R,S,K,E,J,T,N,B,L,U,XK,BP | |
| RTDs | Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50/Cu100/Pt100-392/Pt100-JIS/Ni120 | |
| Continuity test | √ | |
| Pulses (Hz) | 1~15kHz (1~100000 periods) | |
| **Source** | | |
| DC voltage (V) | 100mV/1000mV/10V | ±(0.02%+10) |
| DC current (A) | 20mA/20mA(SIM) | ±(0.02%+2) |
| Resistance (Ω) | 400Ω/4000Ω/40kΩ | ±(0.05%+10) |
| Frequency (Hz) | 200Hz/2000Hz/20kHz/100kHz | ±(0.01%+1) |
| Pulses (Hz) | 100Hz/1kHz/10kHz | ±1 |
| Thermocouples | R,S,K,E,J,T,N,B,L,U,XK,BP | |
| RTDs | Pt100-385/Pt100-392/Pt100-JIS/Pt200-385/P500-385/Pt1000-385/Cu10/Cu50/Cu100/Ni120 | |
| Display count | 20000 | |
| Operating temperature | -10°C~55°C | |

| Characteristics | |
| --- | --- |
| Standard accessories | Test leads, USB cable, power adapter, temperature probe, English manual |
| Power | 1.2V x 6 AA rechargeable battery |
| Product size | 195 x 95 x 58mm |
| Product net weight | 650g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 305 x 85 x 260mm |
| Standard carton gross weight | 1.68kg |

# ELECTRICAL POWER TOOLS

UNI-T's electrical meters offer practical solutions for measuring insulation resistance, leakage current, power quality monitoring, electrical equipment control, and more. Applications include: SCADA system, energy management system, distribution box, substations, industrial automation, etc.

# UT219PV NEW!

## Professional AC/DC Clamp Meter-SOLAR

**UT219PV is a powerful and reliable tool designed specifically for the photovoltaic industry.**

**With its 35mm ultra-thin and sleek design, this clamp meter allows for easy current measurement in tight spaces; The CAT III 1500V & CAT IV 600V provides robust protection against voltage surges, keeping you safe while working on solar system installations; the Bluetooth app(5.0) increase efficiency and productivity with seamless connectivity.**

**It is an ideal tool for the professionals involved in PV system installation and maintenance.**

| Specifications | Range |
|---|---|
| Current (ACA) | 999.9A |
| Current (DCA) | 999.9A |
| Voltage (ACV) | 999.9V/1500V |
| Voltage (DCV) | 999.9V/2500V |
| Voltage (DC mV) | 999.9mV |
| Power (DC) | 999.9 kVA/2500 kVA |
| Frequency (A&V) | 5.0 Hz to 999.9Hz |
| Resistance (Ω) | 999.9Ω/9.999KΩ/99.99kΩ |
| ACV_LPF | 999.9V |
| ACA_LPF | 999.9A |
| CSA~_LPF | 30.00A/300.0A/3000A |
| ACA (Flexible current probe) | 30.00A/300.0A/3000A |
| Cpacitance (F) | 100.0μF/1000μF |
| Temperature | -40°C~400°C/-40°F~752°F |

| Features | |
|---|---|
| Display count | 9999 |
| Display | Dual display; LCD (41 x 42mm) |
| Jaw (Max conductor dia.) | 35mm |
| Diode | √ |
| V+A | √ |
| Negative indication (DC) | Audible + Visual alarm |
| High voltage alarm | √ |
| Over range indication | √ |
| AUTO HOLD | √ |
| LPF | √(Voltage + Current) |
| Inrush current | √ |
| PEAK | √ |
| Bluetooth app | BT 5.0 |
| Data storage | √ |
| Flexiable clamp compatible | UT-CS09D (optional) |
| IP rating | IP54 |
| Overvoltage category | CAT III 1500V, CAT IV 600V |

| Characteristics | |
|---|---|
| Power supply | AAA x 1 |
| Product dimension | 197 x 34.5 x 39.9mm |
| Product color | Grey + Red |
| Accessories | User manual 1pcs, 1.5V AAA battery 1pcs |

**\*Product is preliminary and subject to change pending final release information.**

**NEW! UT251C+**

## AC Leakage Current Meter

**UT251C+ high-accuracy high sensitivity leakage current clamp meters are designed for testing AC leakage current. These high resolution meters are great for applications such as checking leakage current for motor, home appliances and other electrical equipment up to 60A.**

| Specifications | Range | |
|---|---|---|
| Current | 3.000mA | 1uA |
| | 30.00mA | 0.01mA |
| | 300.0mA | 0.1mA |
| | 3.000A | 0.001A |
| | 30.00A | 0.01A |
| | 60.0A | 0.1A |
| Frequency | 99.99Hz | 0.01Hz |
| | 999.9Hz | 0.1Hz |
| | 5.000KHz | 0.001KHz |
| HARM measurement | 1 | 0.1% |
| | 2~6 | 0.1% |
| | 7~8 | 0.1% |
| | 9~10 | 0.1% |
| | 11~15 | 0.1% |
| | 16~21 | 0.1% |

| Features | |
|---|---|
| Display count | 3000 |
| True RMS | √ |
| Jaw size | Measureable dia.: 40mm |
| Display | HTN LCD; Dual display |
| LPF function | √ |
| Sample rate | 2 times/s |
| Auto range | √ |
| MAX/MIN | √ |
| PEAK hold | √ |
| Data hold | √ |
| Data transmission | Bluetooth |
| Backlight | √ |
| Flashlight | √ |
| Low battery indication | √ |
| Harmonic test | √ |
| CAT rating | CAT III 600V |

| Characteristics | |
|---|---|
| Power supply | AAA 1.5V x 3 |
| Product color | Black + Red |
| Product dimension | 200 x 84 x 40mm |

**\*Product is preliminary and subject to change pending final release information.**

# UT219P
## AC Digital Power Clamp Meter

UT219P is an intelligent, handheld, and stable power and harmonics clamp meter, with the functions of a digital ammeter and power meter. It can measure harmonics, 3-phase power, AC voltage, AC current, power factor, and more.

Widely used for voltage, power, harmonic measurements and power quality analysis in electrical equipment and distribution cabinets in power systems, transportation systems, communications, and industrial control systems.

| Specifications | Range | Accuracy |
|---|---|---|
| AC current (A) | 1000A | ±(1.5%+3) |
| AC voltage (V) | 1000V | ±(0.7%+3) |
| Power (single phase) | 1000KW | |
| Power (3-phase & 3-wires) | 1732KW | ±(1.7%+5) |
| Power (3-phase & 4-wires) | 3000KW | |
| Power frequency (Hz) | 15Hz~1000Hz | ±(0.3%+3) |
| Phase angle (-180°~179.9°) | 15Hz~40Hz | ±3° |
| | 40Hz~70Hz | ±5° |
| | 70Hz~1000Hz | ±5° |
| Power factor | -1~1 | based on the Accuracy of the Phase angle |

| Features | |
|---|---|
| Jaw opening | 75mm |
| Phase detection | √(80V~1000V) |
| | Positive and Negative |
| PEAK measurement | √ |
| Harmonic measurement | 32 times |
| Display mode | LCD screen |
| | 4 kinds of results at the same time |
| Display count | 9999 |
| Bluetooth app | √ |
| True RMS | √ |
| Overload indication | √ |
| High voltage indication | √ |
| High voltage overload warning | √ |
| Low battery indication | √ |
| Data hold | √ |
| Auto power off | Around 15 minutes |
| Max/Min | √ |
| Overvoltage category | CAT III 1000V/CAT IV 600V |

UT219P

**(UT276A+/278A+ only)**

# UT270 SERIES
## Clamp Earth Ground Testers

UT270 series can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need of auxiliary electrodes. UT278A+ can measure resistance from 0.01Ω to 1200Ω with a resolution of 0.001Ω. UT275 can also measure current up to 30A. These clamps' double insulation design makes them durable tools for outdoor work and effective in blocking interference from the environment.

| Features | |
|---|---|
| Earth resistance test | Large black screen (UT273+) |
| Current test | Strong anti-interferance (UT273+) |
| Large jaw size | Data storage (up to 500 set) (UT273+) |
| Alarm function | Auto power off |
| Resistance limit alarm | Battery state indication (UT273+) |
| Auto calibration | Low battery indication |
| Ω+A display (UT273+/UT278A+) | |

UT273+

| Specifications | Range | UT273+ | UT275 | UT276A+ | UT278A+ |
|---|---|---|---|---|---|
| Earth ground resistance (Ω) | 0.01~0.099Ω | ±(1%+0.02Ω) | ±(1%+0.01) | ±(1%+0.01) | ±(1%+0.01) |
| | 0.1~0.99Ω | ±(1%+0.05Ω) | ±(1%+0.01) | ±(1%+0.01) | ±(1%+0.01) |
| | 1~49.9Ω | ±(1%+0.5Ω) | ±(1.5%+0.1) | ±(1%+0.1) | ±(1%+0.1) |
| | 50~99.5Ω | ±(1.5%+1Ω) | ±(2%+0.5) | ±(1.5%+0.5) | ±(1.5%+0.5) |
| | 100~199Ω | ±(2%+2Ω) | ±(3%+1) | ±(2%+1) | ±(2%+1) |
| | 200~399Ω | ±(5%+5Ω) | ±(10%+5) | ±(5%+5) | ±(5%+5) |
| | 400~590Ω | ±(10%+10Ω) | ±(20%+10) | ±(10%+10) | ±(10%+10) |
| | 590~600Ω | ±(20%+20Ω) | | | |
| | 600~800Ω | | | | ±(20%+20) |
| | 600~1000Ω | | ±(25%+20) | | |
| | 800~1200Ω | | | | ±(25%+30) |
| Current (A) | 0mA~9mA | | | | ±(2.5%+1mA) |
| | 1.00mA~9.99mA | ±(2.5%+1mA) | | | |
| | 10mA~99mA | | | | ±(2.5%+5mA) |
| | 10.0mA~99.9mA | ±(2.5%+5mA) | | | |
| | 100mA~299mA | | | | ±(2.5%+10mA) |
| | 100mA~999mA | ±(2.5%+10mA) | | | |
| | 0mA~299mA | | ±(2.5%+2mA) | | |
| | 0.3A~2.99A | | ±(2.5%+100mA) | | ±(2.5%+0.1A) |
| | 3A~9.9A | | | | ±(2.5%+0.3A) |
| | 1.00A~9.99A | ±(2.5%+0.2A) | | | |
| | 10A~20A | ±(2.5%+0.5A) | | | ±(2.5%+0.5A) |
| | 3A~30A | | ±(2.5%+300mA) | | |
| Leakage current measurement | | √ | √ | | √ |
| Screen | | 4 digits LCD | 4 digits LCD | 4 digits LCD | 4 digits LCD |
| Jaw opening | | 32mm | 28mm | 32mm | 32mm |
| Visual and audible alarm | | √ | | √ | √ |
| Auto power off | | √ | √ | √ | √ |
| Jamming signal recognition | | | | √ | √ |
| Over-range display | | √ | | √ | √ |
| Data storage | | 500 | 30 | 300 | 300 |
| Display type | | 46 x 36mm | 47 x 28.5mm | 47 x 28.5mm | 47 x 28.5mm |
| Overvoltage category | CAT III 300V | | | | |

| Characteristics | |
|---|---|
| Standard accessories | UT273+: User manual, AA alkaline 4pcs, calibration loop, USB cable (data transmission), tool box; UT275/UT276A+/278A+: Batteries, test ring, English manual |
| Product size | UT273+: 285 x 85 x 58mm; UT275: 293 x 90 x 66mm; UT276A+/278A+: 285 x 85 x 56mm |
| Product net weight | UT273+: 1180g (batteries included); UT275: 1.32kg; UT276A+/278A+: 1.18kg |
| Standard quantity per carton | UT273+: 1pcs/carton; UT275: 5pcs; UT276A+/278A+: 1pcs |
| Standard carton measurement | UT275: 510 x 375 x 320mm; UT276A+/278A+: 370 x 110 x 300mm |
| Standard carton gross weight | UT275: 15.2kg; UT276A+/278A+: 2.6kg |

# UT251 SERIES
## High Sensitivity Leakage Current Clamp Meters

UT251 series high-accuracy high sensitivity leakage current clamp meters are designed for testing AC leakage current. These high resolution meters are great for applications such as checking leakage current for motor, home appliances and other electrical equipment up to 600A.

UT251A

| Specifications | Range | UT251A | UT251C |
|---|---|---|---|
| Current (A) | 0.001mA~60A | ±(1.5%+5) | ±(1.5%+5) |
| | 60A~199.9A | | ±(2%+5) |
| | 200A~300A | | ±(3%+5) |
| | 300A~600A | | ±(4%+5) |
| | Voltage (Freq.) 0V~600V (50Hz/60Hz) | √ | √ |
| | Resolution | 1uA | 1mA |
| Leakage current measurement | | √ | √ |
| Clamp size | | 25mm x 30mm | 35mm x 40mm |
| Data storage | | 99 | 99 |
| Overvoltage category | CAT III 600V | | |

| Features | |
|---|---|
| Display: 4 digits LCD | Overload protection: OL |
| Auto range | Auto power off: 5 minutes |
| RS-232 | Low battery indication: ≤7.2V |
| Peak | Over-range display: OL |
| Data hold | Test mode: Clamp CT, integral mode |

| Characteristics | |
|---|---|
| Standard accessories | Battery, RS-232 interface cable, English manual |
| Power | 9V battery (6F22) |
| Display | 32 x 15mm |
| Product size | 175 x 70 x 38mm |
| Product net weight | 120g |
| Standard individual packing | Gift box, carrying bag, tool box |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 325 x 293 x 110mm |
| Standard carton gross weight | 2.3kg |
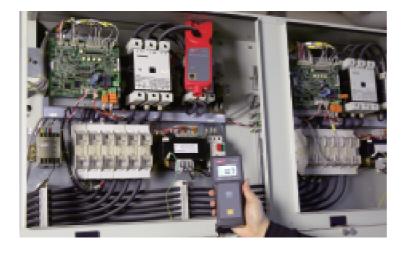
# UT255 SERIES
## High Voltage Clamp Ammeters

UT255 series high voltage clamp ammeters can measure up to 69kV high voltage line current and leakage current. UT255 comes with an insulation rod, allowing professional users to check status of lightning arresters. The wireless model (UT255B) is also able to wirelessly transmit data in real-time up to 30m range. Its clamp can be easily removed from wire by pressing or pulling back the insulation rod.



UT255B

| Features | |
|---|---|
| Auto range | 2 times/s sampling rate |
| Peak hold | Manual range |
| RS-232 interface | Data hold |
| Over-range display: OL | Auto power off/LCD backlight |
| Low battery indication | Overload protection |
| Automatic plug clamp | Data recall |
| Test mode: Clamp CT, integration | Stores 99 sets of data |

| Specifications | Range | UT255A | UT255B |
|---|---|---|---|
| Current (A) | 0.01mA~100A | ±(1%+5) | ±(1%+5) |
| | 100A~600A | ±(2%+5) | ±(2%+5) |
| | Voltage (Freq.) 0V~69kV (50Hz/60Hz) | √ | √ |
| Leakage current measurement | | √ | √ |
| Display mode | 4 digits LCD | √ | √ |
| Jaw opening | | 33mm | 33mm |
| Wireless transmission | ≤30m | | √ |
| Data storage | | 99 | 99 |
| Overvoltage category | CAT III 600V | | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, insulation rod, receiver (UT255B), English manual |
| Power | 1.5V Battery (LR03) x 4 |
| Display | 47 x 28.5mm |
| Product size | 68 x 245 x 40mm |
| Product net weight | 335g |
| Standard individual packing | Gift box, tool box |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 1040 x 240 x 140mm |
| Standard carton gross weight | 6.8kg |

# UT255E
## Wireless High Low Voltage Hook Ammeter

UT255E is designed with a hook detector, wireless receiver, and telescopic insulating rod. With telescopic insulating rods connected, it can test leakage current, current, frequency, load, and others for bare conductors, bus bars below 35kV, or cables with safety insulation sheaths below 110kV.

The hook detector is equipped with the built-in double-layer flexible coil, featuring lightweight, high precision, wide range, and good linearity, it can be hung onto the line for testing, especially suitable for detecting transformer load and inspecting leakage current of multi-core thick cables underground or outdoors.

| 20KA AC current measurement | Frequency measurement | Large diameter hook | 10h continues working | 433MHz wireless transmission | Data storage | 3.5 inch LCD | Fast sampling |

| Specifications | |
|---|---|
| AC current (Auto range) | 0~99.9A; 10mA; ±2%±5dgt |
| | 100A~6000A; 10mA; ±3%±5dgt |
| | 6.00kA~20.0kA; 10mA; ±4%±5dgt |
| Frequency | 45Hz~75Hz; 0.1Hz; ±1Hz (50/60Hz, auto) |
| Function | 1, High/low voltage leakage current, current and frequency measurement;<br>2, Grounding current test of the iron core, transformer load;<br>3, Leakage current test of multicore cable. |
| Testing method | Hang the hook-type CT onto the line for testing |
| Transmission mode | 433MHz wireless transmission |
| Phase detecting distance | About 150m (Straight-line distance) |
| On-line voltage | Bare conductor: <35kV<br>Sheath-insulated cable: <110kV |
| Large diameter hook | Measurable wire & cable: Max. Φ168mm<br>Measurable busbar: Φ168 x 245mm |
| Sample rate | 2 times/sec |
| Screen | 3.5 inch true color LCD;<br>Backlight brightness adjustable |
| Position error | Area A: No position error;<br>Area B: Increase by about 0.2%;<br>Area C: Increase by about 2%; |
| Data storage | 9999 set |
| Overrange indication | "OL A" is displayed |
| No signal indication | The symbol "----" is displayed dynamically |
| Power | Lithium battery (with USB charging port) |
| | About 10 hours working time; |
| Insulation rod size | Stretched length: about 5m<br>Retracted length: about 1m |
| Signal Interference | No 433MHz co-channel signal interference |
| Structural design | Anti-drip type II |

# UT261 SERIES

## Phase Sequence and Motor Rotation Indicators

UT261 series is used for determining 3-phase power phase sequence, missing phase indication, and motor phase rotation (UT261B). UT261A and UT261B can measure AC voltage of 40~700V and 90~600V respectively. These devices can operate in frequency range of 15~400Hz. UT261 are durable devices which can withstand impact from 2 meter's height. Test leads with protective tubing are included in optional accessories.

| Specifications | UT261A | UT261B |
|---|---|---|
| AC voltage (V) | 40V~690V | 90V~600V |
| Frequency (Hz) | 15Hz~400Hz | 15Hz~400Hz |
| Working current (A) | <1mA | <3mA |
| Phase sequence indication | LCD | LED |
| Missing phase indication | LCD | LED |
| Motor rotation indication |  | LED |
| Overvoltage category | CAT III 600V | |

| Characteristics | |
|---|---|
| Standard accessories | Battery (UT261B), test lead with alligator clip x 3, English manual |
| Power | UT261A: No battery required; UT261B: 9V battery (6F22) |
| Product size | 123 x 71 x 29mm |
| Product net weight | UT261A: 160g; UT261B: 180g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 450 x 325 x 340mm |
| Standard carton gross weight | UT261A: 9.8kg; UT261B: 10.3kg |

UT261A

UT261B

ELECTRICAL POWER TOOLS

# UT262E

## Non-Contact Phase Detector

CE   UKCA

**UT262E is a clamp-type non-contact phase detector. it can avoid electric sparks due to contact with bare wires, reducing the risk of electrical shock to electricians and other professional personnel. UT262E can also be used for live wire detection, simple electrical inspection, phase identification, missing-phase judgment, wire breaker searching, and positive or negative states through audio and visual indication. It is a perfect tool for phase sequence detection, motor mounting, and wires maintenance.**
**It improves the safety of field testing, ensures the safety of operators, increases productivity.**

UT262E

| Models | UT262E |
|---|---|
| Function/Application | Phase detection, live wire examination, power inspection, phase loss judgment, breakpoints finding, breakpoints positioning. |
| Measurement method | Non-contact detection |
| AC voltage (V) | 70~1000VAC (Three phase) |
| Frequency (Hz) | 45Hz~66Hz |
| Operating temperature | 0°C~50°C |
| Storage temperature | -20°C~60°C |
| Operating humidity | <85% (Non condensing) |
| Button life | 10000 cycles |
| Insulation intensity | 3.7kVrms |
| Buzzer level | 65~70dB |
| IP rating | IP52 |
| Overvoltage category | CAT III 1000V, CAT IV 600V |

| Phase detection/sequence and LED status | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Test status | LED indication status | | | | | | | Buzzer |
| | Power on indication | R/A | S/B | T/C | Positive phase R | Reverse phase L | LED status | Slow buzz: 2Hz Fast buzz: 12Hz |
| Positive phase | ● | ● | ● | ● | ● | ○ | Always ON | 2Hz |
| Reverse phase | ● | ● | ● | ● | ○ | ● | Always ON | 12Hz |
| No phase change (two clamps on same wire) | ● | ● | ● | ● | ○ | ○ | Flashing | (Abnormality indication) |
| A phase missing | ● | ○ | ● | ● | ○ | ○ | Always ON | |
| B phase missing | ● | ● | ○ | ● | ○ | ○ | Always ON | |
| C phase missing | ● | ● | ● | ○ | ○ | ○ | Always ON | |
| A and B phase missing | ● | ○ | ○ | ● | ○ | ○ | Always ON | |
| B and C phase missing | ● | ● | ○ | ○ | ○ | ○ | Always ON | |
| A and C phase missing | ● | ○ | ● | ○ | ○ | ○ | Always ON | |

# UT278C/D
## Ground Pile Clamp Earth Resistance Tester

UT278C/D Earth Clamp Meter, also called Loop Resistance Tester, is used for grounding resistance test. It has multiple functions such as clamping measurement, 3- or 4-wire measurement, voltage/current measurement, data storage/viewing, alarming, auto power off and more. With fast filtering technology employed, interference can be minimized.

Designed with 2.4-inch color screen, UT278C/D is characterized by aesthetic appearance, easy to carry, wide range, high resolution, stable performance, strong anti-interference ability.

| Features | |
| --- | --- |
| 2.4-inch color screen | Earth resistance measurement |
| Load current measurement | Leakage current measurement |
| Soil resistivity measurement | Grounding voltage measurement |
| Alarm function | Built-in rechargeable lithium battery |
| USB data transfer | |

| Functions | Range (UT278C) | Range (UT278D) |
| --- | --- | --- |
| Ground resistance | 0.00Ω-1800Ω | 0.00Ω-2000Ω |
| Current (AC) | 0.000A-50A | 0.000A-60A |
| Current resolution | 1uA | 1uA |
| 3 or 4-wire method resistance | 0.00Ω-30KΩ | 0.00Ω-30KΩ |
| Soil resistivity | 0.00Ω-9999KΩ | 0.00Ω-9999KΩ |
| Ground voltage | 600V | 600V |
| Power supply | 1, DC 3.7V lithium battery; 2, Real-time display of battery power, reminding to charge in time | |
| Jaw size | 68mm | |
| Screen | 2.4 inch (46 x 29mm) color LCD | |
| Response time | 1 time/sec | |
| USB data upload | The stored data can be uploaded, saved and printed. | |
| Data storage | 500 set | |
| Backlight | √ | |
| Alarm function | √ | |
| Auto power off | Around 15 minutes | |
| Power consumption | 750mA MAX | |
| Overload protection | √ | |
| Weight | 975g (including battery) | |
| Applicable overvoltage category | CAT III 300V, CAT IV 150V | |



UT278C



UT278D

# UT281 SERIES
## True RMS Flex Clamps

UT281 series can measure large currents in various harsh and hard to reach environments. They are designed with Rogowski flex coil and can test up to 3000A AC current. UT281A/C are from UNI-T's Pro Line series, which meet IP54 and 2m drop proof requirements. Due to the ease in operation, accurate readings, stable performance and reliable quality, these flex clamps are ideal tools for electricians.

UT281E

| Specifications | UT281A | UT281C | UT281E |
|---|---|---|---|
| AC current (A) | 3000A; ±(3%+5) | 3000A; ±(3%+5) | 3000A; ±(3%+5) |
| Frequency response | 45Hz~500Hz (sine wave) | 45Hz~500Hz (sine wave) | 45Hz~500Hz (sine wave) |
| Inrush current | 0.5A~3000A (for reference) | 0.5A~3000A (for reference) | 0.5A~3000A (for reference) |
| AC voltage (V) | | | 600V; ±(1.2%+3) |
| Resistance (Ω) | | | 60MΩ; ±(1.2%+3) |
| Frequency (Hz) | | | 20Hz~30kHz; ±(1%+2) |
| Range selection | Manual | Manual | Auto (manual range available in current measurement) |
| Flex coil size | 10'' (25.4cm) radius: 1.5'' (3.8cm) | 18'' (45.7cm) radius: 3.1'' (8cm) | 18'' (45.7cm) radius: 3.1'' (8cm) |
| Display count | 3000 | 3000 | 6000 (3000 in current measurement) |
| Display interface (LCD) | Single | Single | Dual |
| IP rating | IP54 | IP54 | |
| Category rating | CAT IV 600V | | |

| Features | |
|---|---|
| Refresh rate: 3 times/s | True RMS |
| Data hold/buzzer | Auto power off |
| Low battery indication | Backlight |
| 2m drop test | Function selection |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads (UT281E), English manual (UT281A/C only: German, French, Spanish optional) |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 34mm (1.8 inches) |
| Product size | UT281A: 300 x 150 x 55mm; UT281C: 350 x 190 x 55mm; UT281E: 325 x 180 x 30mm |
| Product net weight | UT281A: 220g; UT281C: 236g; UT281E: 250g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | UT281A: 580 x 380 x 180mm; UT281C: 420 x 355 x 425mm; UT281E: 435 x 380 x 245mm |
| Standard carton gross weight | UT281A: 4.9kg; UT281C: 6.2kg; UT281E: 6.3kg |

# UT-CS09D
## Flex Clamp Sensor

UT-CS09D flex clamp sensor solves problems in measuring high current conductors in tight spaces. Its Rogowski coil based current sensor provides stable, safe, and high reliable measurements up to 3000A. This unique design and lightweight feature make it a great choice for professional electricians.

| Features |
|---|
| Flex clamp can measure from 1.5A to 3000A current |
| 1m drop proof |
| Robust terminal connection |
| Directly displays current when connected to UT206B/208B |

UT-CS09D

BNC adapter

| Specifications | Range |
|---|---|
| AC current (A) | 30A/300A/3000A |
| Frequency response | 45Hz~500Hz |
| Flex clamp size | 45.7cm (18 inches) |
| Operating temperature | 0°C~50°C |
| Storage temperature | -20°C~60°C |
| Storage humidity | ≤80%RH |
| Low battery indication | About 3.3V |
| Category rating | CAT IV 600V |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, BNC adapter, English manual |
| Power | 1.5V battery (R03) x 3 |
| Product size | 267 x 119.4 x 34mm |
| Product net weight | 260g |
| Standard individual packing | Blister |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 495 x 405 x 225mm |
| Standard carton gross weight | 7kg |

# UT285C
## Three Phase Power Quality Analyzer

Transformer K factor

**PF/DPF /COSΦ** Power factors (PF) and displacement factors (DPF or COSΦ)

**PST** Short-term voltage flicker (PST)

Three phase unbalance (current and voltage)

**USB/PC** USB interface/PC software

Waveform real-time display (4 channels voltage/4 channels current).

True RMS values of voltages and currents

Peak current and voltage values

**THD** Total harmonic distortion (THD)

Active, reactive, apparent power, by phase and cumulative

| Specifications | UT285C | |
|---|---|---|
| True RMS phase-to-neutral voltage | 1.0V~1000V | ±(0.5%+5dgt) |
| True RMS phase-to phase voltage | 1.0V~2000V | ±(0.5%+5dgt) |
| DC voltage | 1.0V~1000V | ±(1.0%+5dgt) |
| True RMS current | 10mA~1000A | ±(0.5%+5dgt) |
| Peak of phase-to-neutral voltage | 1.0V~1414V | ±(1.0%+5dgt) |
| Peak of phase-to-phase voltage | 1.0V~2828V | ±(1.0%+5dgt) |
| Current peak | 10mA~1414A | ±(1.0%+5dgt) |
| Active power | 0.000W~9999.9kW | ±(1%+3dgt), Cosφ≥0.8<br>±(1.5%+10dgt), 0.2≤Cosφ<0.8 |
| Reactive power, inductive or capacitive | 0.000RVA~9999.9kVAR | ±(1%+3dgt), Sinφ≥0.5<br>±(1.5%+10dgt),0.2≤Sinφ<0.5 |
| Apparent power | 0.000VA~9999.9kVA | ±(1%+3dgt) |
| Power factor | -1.000~1.000 | ±(1.5%+3dgt), Cosφ≥0.5<br>±(1.5%+10dgt), 0.2≤Cosφ<0.5 |
| Active energy | 0.000Wh~9999.9MWh | ±(1%+3dgt), Cosφ≥0.8<br>±(1.5%+10dgt), 0.2≤Cosφ<0.8 |
| Reactive energy, inductive or capacitive | 0.000VARh~9999.9MVARh | ±(1%+3dgt), Sinφ≥0.5<br>±(1.5%+10dgt), 0.2≤Sinφ<0.5 |
| Apparent energy | 0.000VAh~9999.9MVAh | ±(1%+3dgt) |
| Phase angle | -179°~180° | ±(2°) |
| Tanφ (VA>50VA) | -32.76~32.76 | φ:±(1°) |
| Phase shift of power factor (DPF) | -1.000~1.000 | φ:±(1°) |
| Harmonic ratio<br>(order 1 to 50) (Vrms>50V) | 0.0%~99.9% | ±(1%+5dgt) |
| Harmonic angle (Vrms>50V) | -179°~180° | ±(3°) harmonics of order 1 to 25<br>±(10°) harmonics of order 26 to 50 |
| Total harmonic ratio | 0.0%~99.9% | ±(1%+5dgt) |
| Distortion factor (DF or THD-R)<50 | 0.0%~99.9% | ±(1%+10dgt) |
| Transformer K factor | 1.00~99.99 | ±(5%) |
| 3 phases unbalance | 0.0%~100% | ±(1%) |
| Number of channels | 4U/4I | |
| Parameters of electricity | W, VA, Var, PF, DPF, cosφ, tanφ | |
| Energy parameters | Wh, Varh, Vah | |
| Harmonic | 50 | |
| Total harmonic distortion | Order 0~50, each phase | |
| Expert mode | √ | |
| Number of Transient records | 150 sets | |
| Min/Max | √ | |
| Alarm | 40 different types of parameter selections, 12,800 sets alarm logs | |
| USB interface/PC software | √ | |
| Power | 9.6V rechargeable lithium-ion battery | |
| Product color | Red and grey | |
| Product net weight | Instrument: 1.6kg, current clamp: 510g x 4 | |
| Product size | 240mm x 170mm x 68 mm | |
| Standard accessories | 1pc carry cloth bag, (yellow, green, red, blue, black total 5pcs test lead), 4pcs alligator clip, 1pc power adapter, 1pc CD software, 4pcs 1000A current clamp | |
| Standard individual packing | Inner carton | |
| Standard quantity per carton | 1pc | |
| Standard carton measurement | 440 x 320 x 330mm | |
| Standard carton gross weight | 6.4kg | |

# DIGITAL CLAMP METERS

Clamp meters are handheld devices with multimeter functions and able to measure AC/DC current directly without breaking the electrical conductor. Today's clamp meters are multi-functional designed and used in HVAC/R, electrical vehicles, electrical installation, motor inspection, engineering, and many other applications. UNI-T clamp meters are well known for its performance, practicality, and reliability.

# UT200A+/UT200B+ SERIES
## Digital Clamp Meters

UT200A+ & UT200B+ AC current digital clamp meters are suitable for daily repair and maintenance of household equipment, mainly by electricians; Featured minimum 3A AC current measurement, True RMS, LIVE test, and Audible/Visual alarm functions, they are good tools for home users or DIY enthusiasts.

**True RMS** — True RMS

**Audiable /visiable alarm**

**LIVE** — LIVE test

**Large Jaw size**

**Overload protection**

**Auto power off**

UT200A+          UT200B+

| Specifications | Range | UT200A+ | UT200B+ |
|---|---|---|---|
| Language | EN, RU, ES | | |
| Current (ACA) | 3A | ±(4%+10) | ±(4%+10) |
| | 30A | ±(3%+5) | ±(4%+5) |
| | 400A | ±(3%+5) | |
| | 600A | | ±(4%+5) |
| Voltage (ACV) | 3V~600V | ±(1.2%+5) | ±(1.2%+5) |
| Frequency (Hz) | 10H~10kHz | ±(1.0%+5) | ±(1.0%+5) |
| Voltage (DCV) | 3V~300V | ±(1.0%+5) | ±(1.0%+5) |
| | 300V~600V | ±(1.0%+3) | ±(1.0%+3) |
| Resistance | 300Ω~300kΩ | ±(1.0%+5) | ±(1.0%+5) |
| | 300kΩ~3MΩ | ±(2.0%+5) | ±(2.0%+5) |
| Capacitance | 30nF~300nF | | ±(4%+10) |
| | 3μF~300μF | | ±(4%+5) |
| | 1mF | | ±(5%+10) |
| Jaw size | | 28mm | 28mm |
| Display count | | 3099 | 3099 |
| Diode/Continuity | | √ | √ |
| Auto range | | √ | √ |
| High voltage warning | | √ | √ |
| Hold/Backlight | | √ | √ |
| Flashlight | | √ | √ |
| Overvoltage category | | CAT III 600V | CAT III 600V |

# UT200+/UT200R SERIES
## 400A/600A Digital Clamp Meters

**High voltage (600V) frequency measurement**

**NCV multi-segment display and audio/visual alarm**

**600V protection across all range**

**Small range measurement, accuracy guarantee range 1%-100%**

UT201+/202+/202A+/
UT201R/202R/202F
(AC current only)

UT203+/204+/
UT203R/204R
(AC/DC current)

**True RMS**

True RMS

**LCD backlight**

**Larger screen and display digits**

**60mF large capacitance measurement**
(UT202A+/204+/202F/204R)

**Live**

Neutral/live wire test (UT202A+/204+)

**(UT200R/F series only)**

CE RoHS ETL Intertek

# UT200+/UT200R SERIES
## 400A/600A Digital Clamp Meters

**DIGITAL CLAMP METERS**



| Industrial electricity | Residential electricity | Air conditioning | Automobile |

| Specifications | Range | UT201+/201R | UT202+/202R | UT202A+/202F | UT203+/203R | UT204+/204R |
|---|---|---|---|---|---|---|
| AC current (A) | 400A | ±(2%+10) | ±(2%+10) | | ±(2%+5) | |
| | 600A | | | ±(2%+10) | | ±(2%+5) |
| AC current frequency | | 50Hz~100Hz | 50Hz~100Hz | 50Hz~100Hz | 45Hz~400Hz | 45Hz~400Hz |
| DC current (A) | 400A | | | | ±(2%+5) | |
| | 600A | | | | | ±(2%+5) |
| AC voltage (V) | 600V | ±(0.8%+5) | ±(0.8%+5) | ±(0.8%+5) | ±(0.8%+5) | ±(0.8%+5) |
| AC voltage frequency | | 45Hz~400Hz | 45Hz~400Hz | 45Hz~400Hz | 45Hz~400Hz | 45Hz~400Hz |
| High voltage frequency | 5~600V (on voltage position) | 10Hz~10kHz | 10Hz~10kHz | 10Hz~10kHz | 10Hz~60kHz | 10Hz~60kHz |
| DC voltage (V) | 600V | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) |
| Resistance (Ω) | 40MΩ | ±(0.8%+2) | ±(0.8%+2) | | ±(0.8%+2) | |
| | 60MΩ | | | ±(0.8%+2) | | ±(0.8%+2) |
| Capacitance (F) | 4mF | | ±(4%+5) | | | |
| | 40mF | | | | ±(4%+5) | |
| | 60mF | | | ±(4%+5) | | ±(4%+5) |
| Temperature (°C) | -40°C~1000°C | | ±(1.5%+5) | | | ±(1.5%+5) |
| Frequency (Hz) | <30V (on Hz position) | | | 10Hz~10MHz | 10Hz~10MHz | 10Hz~10MHz |
| Display count | | 4000 | 4000 | 6000 | 4000 | 6000 |
| Jaw opening | | 28mm | 28mm | 28mm | 28mm | 28mm |
| Relative mode | | | √ | √ | √ | √ |
| Zero mode | | | | | √ | √ |
| Overvoltage category | CAT II 600V, CAT III 300V | | | | | |

| Features | |
|---|---|
| Auto range | Data hold |
| True RMS/NCV | MAX/MIN |
| Continuity test | Low battery indication |
| Diode | Auto power off |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, Themocouple (UT202+/204+/202R/204R), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 37 x 25mm |
| Product size | 215 x 63 x 36mm |
| Product net weight | Around 240g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 485 x 295 x 385mm |
| Standard carton gross weight | UT201+/201R: 16.6kg; UT202+/202R: 17.1kg; UT203+/203R: 16.1kg; UT202A+/UT204+/202F/204R: 16.7kg |

# UT200 SERIES
## 1000A True RMS Digital Clamp Meters

UT200 series are 6000-count digital clamp meters with auto range, large LCD, true RMS, auto scale memory, and NCV functions. They conform to CAT III 1000V/CAT IV 600V safety rating and certified by CE/ETL. The UT206B, UT207B, and UT208B come with LoZ mode for eliminating' ghost' voltage, LPF ACV function for measuring INV and VFD voltage, and inrush current mode for capturing transient current. The UT206B and UT208B also feature high-precision temperature measurement with 0.1 °C resolution, and can be equipped with a flexible current probe to extend the AC current measurement range to 3000A.

| Features |
|---|
| True RMS |
| NCV (audible/visual alarm) |
| Data hold/backlight/Flashlight |
| MAX/MIN/relative mode |
| Diode/continuity test |
| Inrush current (UT206B/207B/208B) |
| LPF ACV (UT206B/207B/208B) |
| LoZ ACV (UT206B/207B/208B) |
| Optional flex clamp (UT-CS09D) up to 3000A (UT206B/208B) |

UT208B

| Specifications | Range | UT205E | UT206B | UT207B | UT208B |
|---|---|---|---|---|---|
| AC current (A) | 1000A | ±(2%+5) | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| DC current (A) | 1000A | | | ±(2%+5) | ±(2%+5) |
| AC current frequency response | | 50Hz~60Hz | 50Hz~60Hz | 40Hz~400Hz | 40Hz~400Hz |
| Inrush current (A) | 1000A | | ±(10%+10) | ±(10%+10) | ±(10%+10) |
| AC voltage (V) | 1000V | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| DC voltage (V) | 1000V | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) |
| Low pas filter (LPF ACV) | 1000V | | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| AC voltage frequency response | | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz |
| LoZ ACV | 1000V | | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| Resistance (Ω) | 60MΩ | ±(1%+2) | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| Capacitance (F) | 60mF | ±(4%+5) | ±(4%+5) | ±(4%+5) | ±(4%+5) |
| Temperature | -40°C~1000°C -40°F~1832°F | | ±(1%+2) ±(1%+4) | | ±(1%+2) ±(1%+4) |
| Low voltage frequency (Hz) | 10Hz~1MHz | ±(0.1%+3) | ±(0.1%+3) | ±(0.1%+3) | ±(0.1%+3) |
| Duty cycle (%) | 10%~90% | ±(2.6%+7) | ±(2.6%+7) | ±(2.6%+7) | ±(2.6%+7) |
| Analog bar | | | 31 | 31 | 31 |
| Flexible current probe (optional) | Up to 3000A | | √ | | √ |
| Zero mode | | | | √ | √ |
| Display count | | 6000 | 6000 | 6000 | 6000 |
| Jaw opening | | 42mm | 42mm | 42mm | 42mm |
| Overvoltage category | CAT III 1000V, CAT IV 600V | | | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, batteries, point contact temperature probe (UT206B/UT208B), English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 43 x 45mm |
| Product size | 272 x 81 x 43.5mm |
| Product net weight | UT205E/UT206B: 465g; UT207B/UT208B: 420g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | UT205E/UT206B/UT207B: 10pcs; UT208B: 5pcs |
| Standard carton measurement | UT205E/UT206B/UT207B: 355 x 330 x 315mm; UT208B: 355 x 330 x 165mm |
| Standard carton gross weight | UT205E/UT206B/UT207B: About 7.1kg; UT208B: About 4.5kg |

# UT205A+/UT206A+/UT205B
## 1000A Digital Clamp Meters

The UT205A+/UT206A+/UT205B 1000A digital clamp meter has a lightweight and slim design, and the screen backlight function enables normal use in dark environments. The clamp meter has reliable performance and is suitable for electronic and electrical maintenance. The rich functions make the meter suitable for more different usage scenarios.

**DIGITAL CLAMP METERS**

| Features | |
|---|---|
| Non-contact voltage (UT206A+) | Auto power off |
| Jaw opening 45mm | Inrush current (UT206A+) |
| Flashlight | MAX/MIN |
| Data hold | Temperature (UT206A+) |
| Resistance | Capacitance |

UT205A+          UT206A+

| Specifications | | UT205A+ | UT205B | UT206A+ |
|---|---|---|---|---|
| AC current (A) | 1000A | ±(1.5%+5) | ±(1.5%+5) | ±(1.5%+5) |
| Inrush current (A) | 600A | | | ±(5%+10) |
| AC voltage (V) | 1000V | ±(1.0%+2) | ±(1.0%+2) | ±(1.0%+2) |
| ACV frequency (Hz) | 10Hz~10kHz | ±(1.0%+5) | ±(1.0%+5) | ±(1.0%+5) |
| DC voltage (V) | 1000V | ±(0.7%+3) | ±(0.8%+2) | ±(0.7%+3) |
| Resistance (Ω) | 40MΩ | ±(0.8%+2) | ±(2.5%+5) | |
| | 60MΩ | | | ±(0.8%+2) |
| Capacitance (F) | 40mF | ±(4%+5) | ±(10%) | |
| | 60mF | | | ±(4%+5) |
| Frequency (Hz) | 10Hz~10MHz | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+4) |
| Temperature (°C/°F) | -40°C~1000°C/-40°F~1832°F | | | ±4°C/±5°F |
| Display count | | 4099 | 4099 | 6099 |
| Jaw opening | | 45mm | 55mm | 45mm |
| Overvoltage category | CAT II 1000V/CAT III 600V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, batteries, point contact temperature probe(UT206A+ only), English manual |
| Power | 1.5V x 2 |
| Product size | 240 x 76 x 40mm |
| Product net weight | 240g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 420 x 290 x 280mm |

# UT202T/UT202BT
## Smart AC Clamp Meters

**UT202BT is a Bluetooth smart clamp meter designed with low pass filter mode, and inrush current detection, peak hold, and other traditional clamp meter funtions.**

**UT202T is a simple to use smart clamp meter which can automatically detect most common parameters.**



| Features | |
|---|---|
| Low pass filter (UT202BT) | Button-design |
| Non-contact voltage | True RMS |
| Inrush current (UT202BT) | Low pass filter (UT202BT) |
| Bluetooth 5.0 (UT202BT) | Dual display (V+Hz; A+Hz) |
| Flashlight | Bright Backlight |

UT202T      UT202BT

| Specifications | Range | UT202T | UT202BT |
|---|---|---|---|
| DC voltage (V) | 600V | ±(0.5%+3) | ±(0.5%+3) |
| AC voltage (V) | 600V | ±(0.8%+3) | ±(0.8%+3) |
| AC current (A) | 600A | ±(2.5%+5) | ±(2.5%+5) |
| Resistance (Ω) | 6MΩ | ±(0.8%+3) | |
| | 100MΩ | | ±(0.8%+3) |
| Frequency (Hz) | 40Hz~1000Hz | ±(1.0%+5) | ±(1.0%+5) |
| Capacitance (F) | 100mF | ±(4%+5) | ±(4%+5) |
| Temperature (°C) | -40°C~1000°C | | ±5 |
| Temperature (°F) | -40°F~1832°F | | ±9 |
| Jaw opening | | 28mm | 28mm |
| Display count | | 9999 | 9999 |
| Overvoltage category | | CAT III 600V | CAT III 600V |

| Characteristics | |
|---|---|
| Standard accessories | UT202T: Test leads, batteries; UT202BT: Test leads, batteries, temperature probe |
| Power | 1.5V battery (R03) x 2 |
| Product size | 205 x 65 x 32mm |
| Product net weight | 238g |
| Standard individual packing | Gift box, carrying bag, English manual |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 485 x 295 x 385mm |

# UT210/UT211 SERIES

## Mini Clamp Meters/60A Mini Clamp Meter

CE  RoHS  ETL Intertek

UT210 series mini clamp meters are designed to work well in limited spaces. These are essential tools for mechanical and electrical equipment maintenance, home appliance installation and residential electrical maintenance. UT211B 60A mini clamp meter is a high precision tool designed with the resolution of 0.1mA. UT211B is perfect for anyone requiring high precision and accurate results when working with electronics, such as troubleshooting solar power systems current load, electrical cars, etc.

UT211B

**DIGITAL CLAMP METERS**

| Specifications | Range | UT210A | UT210B | UT210C | UT210D | UT210E | UT211B |
|---|---|---|---|---|---|---|---|
| AC current (A) | 60A (0.1mA resolution)<br>100A<br>200A | ±(2.5%+20) | ±(2.5%+20) | ±(2%+10 ) | ±(2.5%+8) | ±(2.5%+5) | ±(1.5%+10) |
| DC current (A) | 60A<br>100A<br>200A | | | | ±(2%+3) | ±(2%+3) | ±(2%+3) |
| AC voltage (V) | 600V | | | ±(1%+3) | ±(1%+3) | ±(1%+3) | ±(0.8%+3) |
| DC voltage (V) | 600V | | | ±(0.7%+3) | ±(0.7%+3) | ±(0.7%+3) | ±(0.7%+3) |
| Resistance (Ω) | 20MΩ<br>60MΩ | | | ±(1%+2) | ±(1%+2) | ±(1%+2) | ±(0.8%+2) |
| Frequency (Hz) | 60kHz | | | | ±(0.1%+4) | | |
| Capacitance (F) | 20mF<br>62mF | | | ±(4%+5) | ±(4%+5) | ±(4%+5) | ±(4%+5) |
| Temperature | -40°C~1000°C<br>-40°F~1832°F | | | ±(1%+3)<br>±(1.5%+5) | ±(1%+3)<br>±(1.5%+5) | | |
| Display count | | 2000 | 2000 | 2000 | 2000 | 2000 | 6000 |
| Continuity buzzer | | | | √ | √ | √ | √ |
| Jaw opening | | 16mm | 16mm | 17mm | 17mm | 17mm | 17mm |
| Diode test | Around 3.0V | | | √ | √ | √ | √ |
| Overvoltage category | CAT II 600V, CAT III 300V | | | | | | |

### Features

| | |
|---|---|
| VFC (UT210E/UT211B) | NCV (UT210B/C/D/E/UT211B) |
| MAX/MIN (UT210B/C) | True RMS (UT210B/C/D/E/UT211B) |
| Auto range | Ergonomic and lightweight |
| ZERO mode (UT210D/E/UT211B) | 2~3 times/s sampling rate |
| Auto power off | LCD backlight/data hold |
| Input protection | Relative mode (UT210B) |

### Characteristics

| | |
|---|---|
| Standard accessories | Batteries, test leads (UT210C/D/E/UT211B), point contact temperature probe (UT210C/D), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 39.3 x 26.5mm |
| Product size | UT210A/B: 158 x 60 x 33.5mm; UT210C/D/E/UT211B: 175 x 60 x 33.5mm |
| Product net weight | UT210A/B: 150g (batteries included); UT210C/D/E/UT211B: 170g |
| Standard individual packing | Gift box, carrying bag (UT210C/D/E/UT211B) |
| Standard quantity per carton | UT210 series: 40pcs; UT211B: 10pcs |
| Standard carton measurement | UT210A/B: 345 x 245 x 300mm; UT210C: 385 x 345 x 305mm; UT210D/E: 385 x 320 x 310mm; UT211B: 330 x 205 x 170mm |
| Standard carton gross weight | UT210A: 8kg; UT210B: 7.2kg; UT210C: 14.8kg; UT210D: 12.9kg; UT210E: 12.3kg; UT211B: 4kg |

# UT213 SERIES
## 400A Digital Clamp Meters

UT213 series are 400A digital clamp meters with CAT III 600V safety standards. These meters are designed for electricians and HVAC/R technicians. The built-in flashlight also makes these meters useful tools when working in dark environments.

UT213C

| Specifications | Range | UT213A | UT213B | UT213C |
|---|---|---|---|---|
| AC current (A) | 400A | ±(1.8%+9) | ±(1.8%+9) | ±(2.5%+5) |
| DC current (A) | 400A | | | ±(2%+3) |
| AC voltage (V) | 600V | ±(1.2%+5) | ±(1.2%+5) | ±(1.2%+5) |
| DC voltage (V) | 600V | ±(0.8%+1) | ±(0.8%+1) | ±(0.8%+3) |
| Resistance (Ω) | 40MΩ | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| Capacitance (F) | 100µF | ±(1%+2) | | |
| | 40mF | | ±(4%+5) | ±(4%+5) |
| Frequency | 10Hz~1MHz | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+4) |
| Temperature | -40°C~1000°C | | ±(1%+3) | ±(1%+3) |
| | -40°F~1832°F | | ±(1%+6) | ±(1%+6) |
| Display count | | 4000 | 4000 | 4000 |
| Jaw opening | | 30mm | 30mm | 30mm |
| True RMS | | | √ | √ |
| Diode | | Around 1.5V | Around 3.0V | Around 3.0V |
| MAX/MIN | | | √ | √ |
| Overvoltage category | CAT III 600V | | | |

| Features | |
|---|---|
| Auto range | Flashlight |
| Relative mode | Low battery indication: ≤3.6V |
| NCV/continuity buzzer | Input protection |
| Data hold/LCD backlight | Auto power off |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, point contact temperature probe (UT213B/UT213C), English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 38 x 24mm |
| Product size | 220 x 75 x 40mm |
| Product net weight | UT213A/B: 280g; UT213C: 231.7g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 485 x 345 x 205mm |
| Standard carton gross weight | UT213A: 9.1kg; UT213B: 9.8kg; UT213C: 9.7kg |

# UT216 SERIES
## 600A True RMS Digital Clamp Meters

UT216 series digital clamp meters are designed for measuring high frequency currents (up to 400Hz), server rooms, IT systems, etc. Its double injection design gives users a more comfortable grip and enhanced durability. UT216's 6000 count display also provides precise readings for users.

UT216D

| Specifications | Range | UT216A | UT216B | UT216C | UT216D |
|---|---|---|---|---|---|
| AC current (A) | 600A | ±(2.5%+5) | ±(2.5%+5) | ±(2.5%+5) | ±(2.5%+5) |
| AC current frequency response | | 50/60Hz | 40~400Hz | 40~400Hz | 40~400Hz |
| DC current (A) | 600A | | | ±(2.5%+5) | ±(2.5%+5) |
| AC voltage (V) | 750V | ±(1.2%+5) | ±(1.2%+5) | ±(1.2%+5) | ±(1.2%+5) |
| AC voltage frequency response | | 40~400Hz | 40~400Hz | 40~400Hz | 45~400Hz |
| DC voltage (V) | 1000V | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) |
| Resistance (Ω) | 60MΩ | ±(1%+2) | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| Capacitance (F) | 60mF | ±(4%+5) | ±(4%+5) | ±(4%+5) | ±(4%+20) |
| Frequency (Hz) | 10Hz~1MHz | | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+4) |
| Temperature (°C) | -40°C~1000°C | | | ±(3%+5) | ±(3%+5) |
| Temperature (°F) | -40°F~1832°F | | | ±(2%+10) | ±(2%+10) |
| Display count | | 6000 | 6000 | 6000 | 6000 |
| Jaw opening | | 30mm | 30mm | 30mm | 30mm |
| VFC | | | √ | √ | √ |
| LCD backlight | | √ | √ | √ | |
| Inrush current | | | | √ | √ |
| OLED display | | | | | √ |
| Analog bar graph | | | | 61 | 21 |
| Overvoltage category | CAT II 1000V, CAT III 600V | | | | |

| Features | |
|---|---|
| Auto range | True RMS |
| Diode: around 3.0V | Data hold |
| Relative mode | MAX/MIN |
| Flashlight | Auto power off |
| Continuity buzzer | Low battery indication: ≤3.6V |
| Input protection | NCV |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, point contact temperature probe (UT216C/UT216D), English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 38 x 24mm |
| Product size | 220 x 75 x 40mm |
| Product net weight | UT216A: 280g; UT216B/C/D: 231.7g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 350 x 290 x 200mm |
| Standard carton gross weight | 5kg |

# UT219 SERIES
## Professional Clamp Meters

UT219 series is 600A true RMS professional clamp meter with CAT IV 600V rating. It is industrially designed with IP54 rating and able to withstand 2 meters drop test for measurement in harsh environments. This series is suitable for professional electricians, HVAC/R and motor technicians.

| Features |
|---|
| Auto/manual range/ZERO mode |
| MAX/MIN |
| True RMS/auto power off |
| IP54/2m drop proof |
| Data hold/relative mode |
| Auto backlight |
| Low battery indication |
| 3-phase motor sequence test (UT219M/DS) |
| LoZ input for ghost voltage measurement |
| Temperature and µA measurements (flame sensor) (UT219M/DS) |
| Inrush current/AC+DC voltage/V+A dual display (UT219DS) |

UT219DS

| Specifications | Range | UT219E | UT219M | UT219DS |
|---|---|---|---|---|
| AC current (A) | 600A | ±(1.8%+6) | ±(1.8%+6) | ±(1.8%+6) |
| DC current (A) | 600A | | | ±(1.8%+6) |
| | 2000µA | | ±(0.9%+6) | ±(0.9%+6) |
| AC voltage (V) | 1000V | ±(1%+6) | ±(1%+6) | ±(1%+6) |
| DC voltage (V) | 1000V | ±(0.6%+3) | ±(0.6%+3) | ±(0.6%+3) |
| LoZ ACV | 600V | ±(2.5%+6) | ±(2.5%+6) | ±(2.5%+6) |
| Resistance (Ω) | 60MΩ | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| Capacitance (F) | 60mF | ±(4%+7) | ±(4%+7) | ±(4%+7) |
| Frequency (Hz) | 10Hz~10MHz | ±(0.1%+6) | | |
| | 600Hz~40MHz | | ±(0.1%+5) | ±(0.1%+6) |
| Duty cycle | 0.1%~99.9% | ±(2.6%+7) | | ±(2.6%+7) |
| Temperature | -40°C~1000°C | | ±(2%+5) | ±(2%+5) |
| | -40°F~1832°F | | ±(2%+9) | ±(2%+9) |
| Display count | | 6000 | 6000 | 6000 |
| Jaw opening | | 33mm | 33mm | 33mm |
| AC current frequency response | | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz |
| AC voltage frequency response | | 40Hz~400Hz | 40Hz~400Hz | 40Hz~1kHz |
| 3-phase motor sequence test | | | 600V | 600V |
| Low pass filter | | | | 1kHz, 3dB attenuation |
| V+A dual display | | | | √ |
| Diode test | | 12V | 3V | 3V |
| Measurement sampling rate | | 3 times/s | 3 times/s | 5 times/s |
| Analog bar sampling rate | | 10 times/s | | 20 times/s |
| Analog bar | | 31 segment | | 31 segment |
| Display interface (LCD) | | Single | Single | Dual |
| Overvoltage category | CAT III 1000V, CAT IV 600V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, batteries, carrying bag, point contact temperature probe (UT219M/UT219DS), English manual (German, French, Spanish optional) |
| Power | 1.5V battery (R03) x 3 |
| Display | 35 x 31mm |
| Product size | 234.6 x 82 x 47mm |
| Product net weight | 310g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 490 x 295 x 330mm |
| Standard carton gross weight | UT219E: 8kg; UT219M/UT219DS: 8.2kg |

# UT220 SERIES
## 2000A Digital Clamp Meters

UT220 series are 2000A AC/DC digital clamp meters. This series ensures stable performance, safety, and reliability for measuring up to 2000A AC (and DC for UT221) current. It is designed with over-load protection for all ranges, perfect for all professionals measuring currents up to 2000A (2500A for UT222).

| Features | |
|---|---|
| Auto range | Diode |
| Continuity buzzer | Data hold |
| MAX/MIN | Low battery indication |

UT221

| Characteristics | Range | UT220 | UT221 | UT222 |
|---|---|---|---|---|
| AC current (A) | 2000A | ±(2.5%+5) | ±(2.5%+5) | |
| | 2500A | | | ±(1.5%+5) |
| DC current (A) | 2000A | | ±(2.5%+5) | |
| | 2500A | | | ±(1.5%+5) |
| AC voltage (V) | 750V | ±(1.2%+5) | ±(1.2%+5) | |
| | 1000V | | | ±(1%+3) |
| DC voltage (V) | 1000V | ±(0.8%+1) | ±(0.8%+1) | ±(0.5%+2) |
| Resistance (Ω) | 20MΩ | ±(1%+2) | | |
| | 60MΩ | | | ±(1%+2) |
| | 66MΩ | | ±(1%+2) | |
| Capacitance (F) | 60mF | | | ±(3%+5) |
| Frequency (Hz) | 20MHz | | ±(0.1%+3) | |
| | 60MHz | | | ±(0.1%+3) |
| Temperature | -40°C~1000°C | | | ±(1%+10) |
| | -40°F~1832°F | | | ±(1%+18) |
| Display count | | 2000 | 6000 | 6000 |
| Jaw opening | | 63mm | 63mm | 63mm |
| True RMS | | | √ | √ |
| Duty cycle | 10%~90% | | √ | √ |
| AC+DC | | | | √ |
| Low pass filter | | | √ | √ |
| Inrush current | | | √ | √ |
| Relative mode | | | √ | √ |
| I-OUT function | | | √ | √ |
| Data storage | | | | 1000 |
| Analog bar graph | | | 66 | 61 |
| Overvoltage category | CAT III 1000V, CAT IV 600V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, output cable (UT221/UT222), thermocouple (UT222), English manual |
| Power | 9V battery (6F22) |
| Display | 43 x 30mm |
| Product size | 298 x 107 x 47mm |
| Product net weight | UT220: 389g; UT221/UT222: 726g |
| Standard individual packing | Gift box, carrying bag (UT220), tool box (UT221/UT222) |
| Standard quantity per carton | UT220: 10pcs; UT221/UT222: 5pcs |
| Standard carton measurement | UT220: 640 x 305 x 175mm; UT221/UT222: 510 x 375 x 320mm |
| Standard carton gross weight | UT220: 7.52kg; UT221/UT222: 12.1kg |

# UT256 SERIES
## True RMS Fork Meters

UT256 series are high reliable, true RMS fork meters. Its unique design allows users to measure current by simply moving the wire of interest inside the opening of the 'fork' to the labeled mark. With no mechanical parts, this meter bares no risk from any type of mechanical failure.

UT256        UT256A        UT256B

| Characteristics | Range | UT256 | UT256A | UT256B |
|---|---|---|---|---|
| AC current (A) | 200A | 60A: ±(2%+5) | ±(1.8%+5) | ±(2.5%+5) |
| DC current (A) | 200A | 60A: ±(2%+5) | | ±(2.5%+5) |
| AC voltage (V) | 750V | | | ±(1.2%+3) |
| | 1000V | | ±(1.2%+3) | |
| DC voltage (V) | 1000V | | ±(0.8%+3) | ±(0.8%+3) |
| Resistance (Ω) | 60MΩ | | ±(1%+2) | ±(1%+2) |
| Capacitance (F) | 60mF | | | ±(4%+20) |
| Frequency (Hz) | 10~10kHz | | ±(0.1%+5) | |
| Display count | | | 6000 | 6000 |
| Diode test | About 3V | | | √ |
| NCV | | √ | | √ |
| Zero mode | | √ | | √ |
| Relative mode | | √ | | √ |
| Overvoltage category | CAT II 1000V, CAT III 600V | | | |

| Features | |
|---|---|
| Fork design | True RMS |
| NCV function | Data hold |
| Low battery indication | Audiable/Visuable alarm |
| Auto power off | Backlight |

| Characteristics | |
|---|---|
| Standard accessories | English manual, test leads, batteries |
| Power | UT256: AAA 1.5V x 2; UT256A/UT256B: 1.5V battery (LR6) x 2 |
| Display | UT256: 32 x 15mm; UT256A: 35 x 26mm; UT256B: 36.5 x 24mm |
| Product size | UT256: 171 x 42 x 28mm; UT256A: 217 x 58.8 x 38.5mm; UT256B: 210 x 53 x 35mm |
| Product net weight | UT256: 120g (Including batteries); UT256A/UT256B: 248g(Including batteries) |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | UT256A/UT256B: 20pcs |
| Standard carton measurement | UT256A/UT256B: 485 x 310 x 205mm |
| Standard carton gross weight | UT256A/UT256B: 9.5kg |

# 2117R
## 1000A Clamp Meter

**2117R True RMS 1000A AC clamp meter is a great choice for AC current measurement. It features 1000V AC/DC voltage measurement, 60MΩ resistance measurement, and bright backlight. The dual-mode NCV allows users to detect live voltages without contacting any metallic surface. The high frequency response range is suitable for more measuring applications. This meter is CE/UKCA approved and features a CATII 1000V / CATIII 600V safety rating with 1000V overload protection.**

| AC Current Measurement | Voltage Measurement | NCV Test | Capacitance Measurement |
|---|---|---|---|

2117R

| Specifications | | |
|---|---|---|
| **Certificates** | **CE, UKCA** | |
| AC current (A) | 1000A | ±(1.5%+4) |
| ACA Frequency (Hz) | 20Hz~10kHz | ±(1.0%+5) |
| AC voltage (V) | 1000V | ±(1.0%+2) |
| DC voltage (V) | 1000V | ±(0.7%+3) |
| Resistance (Ω) | 60MΩ | ±(0.8%+2) |
| Capacitance (F) | 6mF | ±(4%+5) |
| Display count | 6000 | |
| Jaw opening | 33mm | |
| Overvoltage category | CAT III 600V/CATII 1000V | |

| Features | |
|---|---|
| 1000A AC Current | True RMS |
| 1000V AC/DC voltage | Auto range/Auto power off |
| NCV function | Low battery indication |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads |
| Power | 1.5V battery (R03) x 2 |
| Display | 40 x 28mm |
| Product size | 204 x 63 x 38mm |
| Standard individual packing | Gift box, Carrying bag, English manual |

# DIGITAL MULTIMETERS

Digital multimeter is a must-have tool for professional electrical engineers, electrical technicians and electronics engineers. Multimeters are tools used to detect and troubleshoot electrical and electronic devices. UNI-T's wide range of multimeter selection guarantees that you can find the most suitable multimeter that satisfies your needs.

NEW! **UT118C**

## Pen-type Meter

The UT118C Pen-type meter is lightweight and durable. The meter features True RMS, voltage measurement up to AC/DC 600, and a wide resistance and capacitance range.

Gold-plated fine-tipped test leads can be used in more application scenarios, and the operation is simple and safe (CAT III 600V & CAT IV 300V). It is a cost-effective product tailored for home appliance repair and DIY enthusiasts.

| Specifications | |
|---|---|
| DC voltage (V) | 6.000V/60.00V/600.0V |
| AC voltage (V) | 6.000V/60.00V/600.0V |
| Resistance | 600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ/60.00MΩ |
| Capacitance | 600.0nF/6.000uF/60.00uF/600.0uF/6.000mF/60.00mF |
| Frequency | 99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz |

| Features | |
|---|---|
| Display count | 6000 |
| Duty cycle | 0.1% to 99.9% |
| NCV/LIVE test | √ |
| True RMS | √ |
| Diode | √ |
| Continuity | √ |
| Resistance | √ |
| Auto range | √ |
| Screen | HTN LCD 36 x 15mm |
| Auto power off | √ |
| Flash light | √ |
| Indicator | Dual color |
| Battery | AAA x 1 |
| Indicator | Dual color |

| Characteristics | |
|---|---|
| Power supply | AAA x 1 |
| Product dimension | 197 x 34.5 x 39.9mm |
| Product color | Black + Red |
| Accessories | User manual 1pcs, 1.5V AAA battery 1pcs |

*Product parameters are preliminary and subject to change pending final release information.

# UT15B/17B/18B MAX
## True RMS Digital Multimeter

CE  UK CA  ETL Intertek  RoHS

UT15B/17B/18B MAX series True RMS multi-meters have a compact and portable design, fast response, strong anti-interference to EMC interference, and come with standard gold-plated test leads and gold-plated fine-tipped test leads. They also feature full-range 1000V input protection, making them the ideal tool for electronic and electrical engineers.

| Main features | |
|---|---|
| Continuity/Diode | Auto power off |
| Data hold | Low battery indication |
| MAX/MIN (UT15B/UT17B MAX only) | Audible & Visual alarm |
| Relative mode | LED test (UT18B MAX only) |
| Backlight (adjustable) | Mis-plug alarm |
| Auto range/Manual range | Any-key wake up |

UT18B MAX

| Models | | UT15B MAX | UT17B MAX | UT18B MAX |
|---|---|---|---|---|
| Voltage (DC) | 600.0mV/6.000V/60.00V/600.0V/1000V | ±(0.4%+3) | ±(0.4%+3) | ±(0.4%+3) |
| Voltage (AC) | 600.0mV/6.000V/60.00V/600.0V/1000V | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) |
| VFD (Voltage) | 600.0V | ±(8%) | ±(8%) | ±(8%) |
| Current (AC) | 600.0µA/6000µA/60.00mA/600.0mA/6.000A/10.00A | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| Current (DC) | 600.0µA/6000µA/60.00mA/600.0mA/6.000A/10.00A | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| Resistance | 600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ/60.00MΩ | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) |
| Capacitance | 6.000nF/60.00nF~600.0µF/6000µF | ±(2.0%+5) | ±(2.0%+5) | ±(2.0%+5) |
| Frequency (Hz) | 10Hz~10MHz | ±(0.1%+3) | ±(0.1%+3) | ±(0.1%+3) |
| Duty cycle | 1%~99.9% | ±(1.0%+4) | ±(1.0%+4) | ±(1.0%+4) |
| Temperature (°C/°F) | -55°C~500°C/-67°F~932°F | | ±2°C/±4°F | ±2°C/±4°F |
| Display count | | 6000 | 6000 | 6000 |
| Overvoltage category | | CAT III 600V | CAT III 600V | CAT III 600V |

| Characteristics | |
|---|---|
| Power supply | 2 x 1.5V AA |
| Product color | 426U+1797C |
| Product weight | 455g |
| Product dimension | 182 x 91 x 45mm |
| Accessories | 1pcs User manual, 2 pair Test lead (normal gold plated probe & Fine-tipped probe), 1pcs K-type thermocouple (UT17B/UT18B MAX only), 2pcs battery, Magnetic hanger (optional) |
| SPQ | 10 pcs |
| Package dimension | 480 x 370 x 195mm |
| Standard package gross weight | Around 9kg |

# UT117C

## High-precision True RMS Digital Multimeter

UT117C is a high-precision true RMS multimeter, which has AC/DC 600V voltage measurement, 10A AC/DC current measurement, LPF measurement, Bluetooth function, etc. The main features are fast response, high precision, small size, and easy operation, and product accuracy can still be guaranteed after a 2-meter drop. It is a good tool for electronic electricians.

| Features | |
|---|---|
| Continuity & Diode | Relative mode |
| NCV | High voltage warning |
| Data hold | Audiable & Visuable indication |
| Manual/Auto range | Low battery indication |
| Max/Min | Bluetooth |

UT117C

| Model | UT117C | |
|---|---|---|
| AC voltage | 600.00mV/6.0000V/60.000V/600.00V | ±(1%+30) |
| AC current | 6.0000A/10.000A | ±(1.5%+30) |
| DC voltage | 600.00mV/6.0000V/60.000V/600.00V | ±(0.3%+10) |
| DC current | 6.0000A/10.000A | ±(0.5%+10) |
| Auto-V Loz | 600.0V | ±(1%+3) |
| LPF voltage (ACV) | 600.0V | ±(2%+3) |
| Frequency | 99.99Hz/999.9Hz/9.999KHz/50.00KHz | ±(0.01%+3) |
| Resistance | 600.00Ω~6.0000MΩ | ±(0.5%+5) |
| | 40.000MΩ | ±(3%+5) |
| Capacitance | 1000nF/10.00uF/100.0uF | ±(1.9%+5) |
| | 1000uF/10000uF | ±(2.5%+5) |
| Display count | 60000 | |
| External current clamp | ratio: 1mV/A | |
| Auto power off | Around 15 minutes | |
| LCD backlight | Auto power off after 5 minutes | |
| Drop test | 2m | |
| Overvoltage category | CAT III 600V | |

| Characteristics | |
|---|---|
| Power supply | 1.5V AAA x 3 |
| Product color | Red + Grey |
| Product weight | Around 346g |
| Product dimension | 169 x 84 x 48.8mm |
| Accessories | Test probe x 1 pair, Battery, Magnetic strap x 1 pcs, User manual x 1 pcs |
| Package quantity | 20 pcs / package |
| Package size | 420 x 345 x 315mm |

DIGITAL MULTIMETERS

# UT121 SERIES

## Smart Digital Multimeter

UT121 series large-screen & ultra-thin multimeters, their main and secondary screens can display two measurement results at the same time, which is convenient for home and non-professional users.

Support AC/DC voltage measurement, NCV, and live wire detection functions allow users to judge circuit problems more conveniently and quickly. It is a convenient and fast electronic tool.

UT122

| Specifications | Range | UT121A | UT121B | UT122 |
|---|---|---|---|---|
| Language | EN, RU, ES | | | |
| AC voltage (V) | 6V/60V/600V | ±(1.0%+3) | | ±(1.0%+3) |
| | 6V/60V/600V/750V | | ±(1.5%+3) | |
| AC voltage frequency (Hz) | 10Hz~1kHz | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) |
| DC voltage (V) | 6V/60V/600V | ±(0.7%+3) | | ±(0.5%+3) |
| | 6V/60V/600V/1000V | | ±(1.2%+3) | |
| Resistance (Ω) | 6000Ω/60KΩ/600KΩ/6MΩ/10MΩ | ±(2.0%+5) | | |
| | 600Ω/6KΩ/60KΩ/600KΩ/60MΩ | | ±(2%+5) | |
| | 600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ | | | ±(2.0%+5) |
| Capacitance (F) | 60nF/600nF~600μF/6000uF~60mF | | ±(10%+5) | |
| | 99.99nF/999.9nF~9.999μF/9.999mF~99.99mF | | | 10% |
| Frequency (Hz) | 10Hz~10MHz | | ±(0.1%+3) | ±(0.1%+3) |
| Temperature (°C/°F) | −40°C~1000°C/−40°F~1832°F | | ±3°C/±6°F | ±3°C/±6°F |
| Display count | | 6199 | 6199 | 6199 |
| Display mode (LCD) (kinds of measurement results) | | Dual | Dual | Dual |
| Overvoltage category | | CAT III 600V | CAT III 600V | CAT III 600V |

| Features | |
|---|---|
| Auto range | Diode test (UT121B/UT122) |
| NCV detection | LCD high voltage alert |
| LIVE detection | Low battery indication |
| Continuity buzzer | Auto power off |
| Flashlight | Data hold |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, temperature probe (UT121B/UT122), English manual |
| Power | 2 x 1.5V AAA |
| Display | UT121A/UT121B: 52 x 66mm; UT122: 65 x 55mm |
| Product size | UT121A/UT121B: 143 x 74 x 17mm; UT122: 144 x 71 x 15.5mm |
| Product net weight | UT121A/UT121B: 142g; UT122: 157g |
| Standard individual packing | Gift box, carrying bag |

# UT15B/17B/18B PRO

## True RMS Digital Multimeters

UT15B PRO/UT17B PRO/UT18B PRO are highly reliable, safe, and durable true RMS multimeters with CAT III 1000V/CAT IV 600V ratings. With the built-in VFC mode, this meter can remove the jamming signal and distorted voltage signal for stable voltage testing. These meters come with gold-plated test leads for quick and accurate measurement; the Flashlight and automatic backlight design enable users to troubleshoot electrical equipment easily even in dark environments. It is widely used in smelting, electronics, manufacturing, petroleum, electric power, chemical, and other industries.

UT17B PRO

UT18B PRO

| Specifications | Range | UT15B PRO | UT17B PRO | UT18B PRO |
|---|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.5%+3) | ±(0.5%+3) | ±(0.5%+3) |
| AC voltage (V) | 1000V | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| AC current (A) | 10A | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| DC current (A) | 10A | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) |
| Resistance (Ω) | 60MΩ | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) |
| Capacitance (F) | 6000μF | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| Frequency (Hz) | 10Hz~100kHz 10Hz~1MHz | | ±(0.1%+3) | ±(0.1%+3) |
| Duty cycle | 1%~99% | | ±(1%+4) | ±(1%+4) |
| Temperature (°C/°F) | -55°C~500°C/-67°F~932°F | | ±(2%+1) | ±(2.0%+1°C)/ ±(4.0%+4°F) |
| Display count | | 6000 | 6000 | 6000 |
| Overvoltage category | | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V | CAT II 1000V, CAT III 600V |

| Features | |
|---|---|
| 1000V AC/DC voltage | True RMS & 6000 display count |
| VFC 600V measurement | LED/Temperature measurement |
| Overload protection | Auto backlight/Flashlight |

| Characteristics | |
|---|---|
| Standard accessories | English manual, test lead, temperature probe (UT17B PRO/UT18B PRO), temperature adapter socket (UT18B PRO) |
| Power | 1.5V battery (LR6) x 2 |
| Product size | 195 x 95 x 58mm |
| Product net weight | 484g |
| Standard individual packing | Gift box, cloth bag |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | UT15B PRO/UT17B PRO: 505 x 355 x 205mm; UT18B PRO: 480 x 370 x 195mm |
| Standard carton gross weight | UT15B PRO: 8.8kg; UT17B PRO: 9.1kg |

DIGITAL MULTIMETERS

(UT131 series only)

# UT33+/UT131 SERIES
## Palm Size Digital Multimeters

The new generation UT33+/UT131 series redefines the performance standard for entry-level digital multimeters. Our innovative industrial design ensures that these products can withstand 2 meters drop. The new LCD display layout provides a better user experience. This series ensures that users can work safely in CAT II 600V environment (CAT II 250V for UT131). This series' special features are: 2mF capacitance test (UT33A+/UT131A); battery test (UT33B+/UT131B); temperature measurement function (UT33C+/UT131C); non-contact voltage (NCV) test (UT33D+/UT131D).

UT131 series are CE certified 250V AC/DC models.

UT33A+

| Specifications | Range | UT33A+/131A | UT33B+/131B | UT33C+/131C | UT33D+/131D |
|---|---|---|---|---|---|
| DC voltage (V) | 200mV/2V/20V/200V/600V (250V: UT131 series only) | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+2) |
| AC voltage (V) | 200mV/2V/20V/200V/600V (250V: UT131 series only) | ±(0.7%+3) | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| DC current (A) | 10A<br>200µA/200mA/10A<br>2000µA/20mA/200mA/10A | ±(1%+2) | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| AC current (A) | 10A | ±(1.2%+3) | | | |
| Resistance (Ω) | 200MΩ<br>200Ω/2kΩ/20kΩ/200kΩ/20MΩ/200MΩ<br>200Ω/2kΩ/20kΩ/200kΩ/20MΩ | ±(0.8%+2) | ±(0.8%+2) | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance (F) | 2mF | ±(4%+8) | | | |
| Temperature | -40°C~1000°C<br>-40°F~1832°F | | | ±(1%+4)<br>±(1.5%+5) | |
| Display count | | 2000 | 2000 | 2000 | 2000 |
| Range selection | | Auto | Manual | Manual | Manual |
| Battery test | | | 1.5V/9V/12V | | |
| NCV | | | | | √ |
| Overvoltage category | UT131 series: CAT II 250V; UT33+ series: CAT II 600V | | | | |

| Features | |
|---|---|
| 2m drop proof/ test probe holder | Diode test/continuity buzzer |
| Auto power off/auto backlight off | Clear LCD display |
| Comfortable protective cover, with test lead storage groove | Loud buzzer sound/Ergonomic design |
| Unique battery test feature: displays 'good', 'low', and 'bad' statuses when testing 1.5V/9V/12V batteries (UT33B+/UT131B) | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, k-type thermocouple (UT33C+/131C), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | UT33+ series: 53 x 28mm, UT131 series: 66 x 51mm |
| Product size | 134 x 77 x 47mm |
| Product net weight | 206g (batteries included) |
| Standard individual packing | Gift box |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | 640 x 310 x 350mm |
| Standard carton gross weight | UT33A+/131A: 18.6kg; UT33B+/131B: 19.4kg; UT33C+/131C: 20.2kg; UT33D+/131D: 19.8kg |

# UT39+ SERIES
## Digital Multimeters

UT39+ series digital multimeters are portable devices designed for the electrical industry. They feature overvoltage and overcurrent alarm and high voltage protection, triggered during faulty operation. UT39C+/E+ are suitable for HVACR maintenance with its temperature measurement function. UT39E+ is a 20000 count high accuracy meter, suitable for electronics design work.

| Features | |
|---|---|
| Transistor hFE | 2m drop test |
| Diode | Data hold |
| Continuity test/Relative mode | Backlight/Auto power off |
| Frequency response: 40Hz~400Hz | Conductance 100nS (UT39E+) |

UT39E+

| Specifications | Range | UT39A+ | UT39C+ | UT39E+ |
|---|---|---|---|---|
| DC voltage (V) | 400mV/4V/40V/400V/1000V<br>200mV/2V/20V/200V/1000V | ±(0.5%+5) | ±(0.5%+5) | ±(0.05%+3) |
| AC voltage (V) | 4V/40V/400V/750V<br>200mV/2V/20V/200V/1000V | ±(0.8%+3) | ±(0.8%+3) | ±(0.5%+10) |
| DC current (A) | 40µA/400µA/4mA/40mA/400mA/10A<br>400µA/400mA/10A<br>2000uA/20mA/200mA/2A/20A | ±(0.8%+3) | ±(0.8%+3) | ±(0.5%+5) |
| AC current (A) | 40mA/400mA/10A<br>4mA/400mA/10A<br>2000uA/20mA/200mA/2A/20A | ±(1%+2) | ±(1%+2) | ±(0.8%+10) |
| Resistance (Ω) | 400Ω/4000Ω/40kΩ/400kΩ/4MΩ/200MΩ<br>400Ω/4000Ω/40kΩ/400kΩ/4MΩ/40MΩ<br>200Ω/2kΩ/20kΩ/2MΩ/20MΩ/200MΩ | ±(0.8%+2) | ±(0.8%+2) | ±(0.3%+2) |
| Capacitance (F) | 10mF<br>2000µF | ±(4%+5) | ±(4%+5) | ±(4%+20) |
| Frequency (Hz) | 10Hz~1MHz<br>10Hz~2MHz | | ±(0.1%+4) | ±(0.1%+3) |
| Temperature | -40°C~1000°C<br>-40°F~1832°F | | ±(1%+4)<br>±(1.5%+5) | ±(1%+5)<br>±(1.5%+5) |
| Conductance (nS) | 0.1~100nS | | | ±(1%+3) |
| Display count | | 4000 | 4000 | 20000 |
| NCV | | | √ | √ |
| Overvoltage category | CAT II 1000V, CAT III 600V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, temperature probe (UT39C+/E+), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 56.5 x 36mm |
| Product size | 175 x 83 x 53mm |
| Product net weight | 330g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 30pcs |
| Standard carton measurement | 390 x 355 x 340mm |
| Standard carton gross weight | 14.5kg |

# UT60 SERIES
## Digital Multimeters

**UT60BT digital multimeter has a built-in Bluetooth module which can be used with iDMM2.0 app.**

● **Smart phone APP: iDMM2.0**
● **Works with UT-D07B Bluetooth adaptor**
● **Download from App Store or Google Play**

UT60BT

UT60EU

| Specification | Range | UT60EU | UT60BT |
|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.5%+3) | |
| AC voltage (V) | 1000V | ±(0.8%+3) | |
| DC current (A) | 10A | ±(0.8%+3) | |
| AC current (A) | 10A | ±(1.0%+3) | |
| Resistance (Ω) | 100MΩ | ±(0.8%+2) | |
| Capacitor (F) | 10mF | ±(4.0%+5) | |
| Frequency (Hz) | 99.99Hz~9.999MHz | ±(0.1%+5) | |
| Duty cycle (%) | 0.1~99.9% | ±(3%+5) | |
| Temperatue (°C/°F) | -40°C~1000°C/-40°F~1832°F | ±4°C/±5°F | |

| Features | | |
|---|---|---|
| Bluetooth | UT60BT only | |
| Display count | 9999 | |
| Auto range | √ | |
| REL | √ | |
| NCV | √ | |
| Diode | √ | |
| Continuity test | √ | |
| Acousto-optic indication (NCV/continuity/battery power) | √ | |
| Low battery indication | ≤3.6V | |
| Data hold | √ | |
| Auto power off | 15Min | |
| Operating temperature | 0°C~40°C | |
| Overvoltage category | CATII 1000V/CATIII 600V | |

| Characteristics | |
|---|---|
| Battery | 1.5V AAA x 3 |
| Product color | Red and gray |
| Product net weight | 290g |
| Product size | 169 x 81 x 46mm |
| Standard individual packing | Gift box, manual, thermocouple |
| Standard quantity per carton | 20pcs |
| Standard carton size | 420 x 320 x 300mm |

# UT60 SERIES
## Digital Multimeters

UT60 series portable digital multi-meters provide True-RMS measurement, 9999-count resolution, and non-contact voltage detection. These auto-ranging meters can measure up to 1000V AC/DC voltage, 10A AC/DC current, and 100MOhms resistance. The easy-to-use interface with backlight enables you to detect equipment quickly even in dark places. UT60 series is CAT II 1000V/CAT III 600V safety-rated and CE certified with rugged double-injection housing.

UT60S

| Specification | Range | Accuracy |
|---|---|---|
| DC voltage (V) | 9.999mV/99.99mV/999.9mV/9.999V/99.99V/999.9V | ±(0.5%+3) |
| AC voltage (V) | 9.999mV/99.99mV/999.9mV/9.999V/99.99V/999.9V | ±(0.8%+3) |
| DC current (A) | 999.9µA/999.9mA/9.999A | ±(0.8%+3) |
| AC current (A) | 999.9µA/999.9mA/9.999A | ±(1.0%+3) |
| Resistance (Ω) | 99.99Ω/999.9Ω/9.999kΩ/99.99kΩ/999.9kΩ/9.999MΩ/99.99MΩ | ±(0.8%+2) |
| Capacitance (F) | 9.999nF/99.99nF/999.9nF/9.999µF/99.99µF/999.9µF/9.999mF/99.9mF | ±(4%+5) |
| Frequency | 9.999Hz~9.999MHz | ±(0.1%+5) |
| Duty cycle | 0.1~99.9% | ±(3%+5) |
| Temperatue | -40°C~1000°C/-40°F~1832°F | ±4°C/±5°F |

| Features | |
|---|---|
| Display count | 9999 |
| NCV | √ |
| Diode/REL | √ |
| Acousto-optic indication (NCV/continuity/battery power) | √ |
| Data hold | √ |
| Overvoltage category | CATII 1000V/CATIII 600V |

# UT61+/UT161 SERIES
## 1000V True RMS Digital Multimeters

**(UT161 series only)**

CE  RoHS  ETL Intertek

UT61+/UT161 series are true RMS digital multimeters with display counts 6000 (UT61B+/UT61D+/UT161B/D) and 22,000 (UT61E+/UT161E). These meters can measure up to 1000V AC/DC. Equipped with audible and visible alarm, this series can warn users when measuring high voltage/current. This series' wide range of functions are suitable for a variety of appliations. UT161 series is CE/ETL/UKCA certified.

| Features | |
|---|---|
| True RMS | Continuity test |
| Data hold | NCV (audible/visual alarm) |
| Backlight | LoZ ACV (UT61D+/UT161D) |
| Max/Min/Relative mode | LPF ACV/ACV+DCV |
| USB communication | Transistor hFE (UT61E+/161E) |
| Diode | Peak Hold (UT61D+/61E+/161D/161E) |

Gold plated test leads

UNI-T  Bluetooth

● Smart phone APP: UNI-T Smart Measure
● Works with UT-D07B Bluetooth adaptor
● Download from App Store or Google Play

UT61E+

| Specifications | Range | UT61B+/UT161B | UT61D+/UT161D | UT61E+/UT161E |
|---|---|---|---|---|
| AC voltage (V) | 1000V | ±(1%+3) | ±(1%+3) | ±(0.8%+10) |
| DC voltage (V) | 1000V | ±(0.5%+3) | ±(0.5%+3) | ±(0.05%+5) |
| AC current (A) | 10A<br>20A | ±(1.2%+5) | ±(1.2%+5) | ±(0.8%+10) |
| DC current (A) | 10A<br>20A | ±(1%+2) | ±(1%+2) | ±(0.5%+10) |
| Resistance (Ω) | 60MΩ<br>220MΩ | ±(1%+2) | ±(1%+2) | ±(0.5%+10) |
| Capacitance (F) | 60mF<br>220mF | ±(3%+5) | ±(3%+5) | ±(3%+5) |
| Frequency (Hz) | 10MHz<br>220MHz | ±(0.1%+4) | ±(0.1%+4) | ±(0.01%+5) |
| Duty cycle (%) | 0.1%~99.9% | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| Temperature (°C/°F) | -40°C~1000°C<br>-40°F~1832°F | | ±(1%+3)<br>±(1%+6) | |
| Display count | | 6000 | 6000 | 22000 |
| Bandwidth (Hz) | | 40Hz~500Hz | 40Hz~1kHz | 40~10kHz |
| LPF ACV | | | | √ |
| LoZ ACV | | | √ | |
| ACV+DCV | | | | √ |
| Transistor hFE | | | | √ |
| Peak hold | | | √ | √ |
| Analog bar | | 31 | 31 | 46 |
| Overvoltage category | CAT III 1000V, CAT IV 600V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Battery, gold plated test leads, USB cable, temperature probe (D+/D), multi-purpose socket (E+/E), English manual |
| Optional accessories | Bluetooth/APP |
| Power | 1.5V battery (R03) x 4 |
| Product size | 190 x 90 x 50mm |
| Product net weight | 350g |
| Standard individual packing | Gift box, cloth bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | UT61+ series: 480 x 370 x 365mm; UT161 series: 480 x 370 x 325mm |
| Standard carton gross weight | UT61+ series: 15.2kg; UT161 series: 17.8kg |

# UT105+/UT107+
## Automotive Multimeter

UT105+ and UT107+ Automotive Multimeters have updated measurement functions, accuracy, and meter shell to test conventional and hybrid vehicles. This series contains all the reliable functions of the traditional multimeter and offers RPM, dwell angle, pulse width, and battery test as well.

1000V AC/DC voltage and 10A AC/DC current (20A for 10s and 10A continuously) measurement range is suitable for most of the vehicle and electrical facilities maintenance. Up to 1000V VFC mode enables users to take accurate measurements on variable-frequency motor drives, water pumps, HVAC systems.

| Features | |
|---|---|
| Manual range | Continuity/diode/transistor |
| Backlight | Data hold |
| Duty cycle | Max/Min/Relative mode |
| High voltage alarm | High voltage overload alarm |
| VFC | 12V battery test (UT107+) |
| Large current alarm | |

| Specifications | Range | UT105+ | UT107+ |
|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.5%+3) | ±(0.5%+3) |
| AC voltage (V) | 1000V | ±(0.8%+3) | ±(0.8%+3) |
| AC current (A) | 10A (20A for 10s max) | ±(1.0%+8) | ±(1.0%+8) |
| DC current (A) | 10A (20A for 10s max) | ±(0.8%+8) | ±(0.8%+8) |
| Resistance (Ω) | 40MΩ | ±(0.8%+3) | |
| | 60MΩ | | ±(0.8%+3) |
| Capacitance (F) | 100mF | | ±(3%+10) |
| Frequency (Hz) | 10Hz~10MHz | ±(0.1%+5) | ±(0.1%+5) |
| Temperature (°C) | -40°C~1000°C | ±3 | ±(1.0%+3) |
| Temperature (°F) | -40°F~1832°F | ±5 | ±(1.5%+5) |
| VFC | 1000V | ±(2.0%+10) | ±(2.0%+10) |
| RPM | 2STR | ±(3.0%+5) | ±(3.0%+5) |
| | 4STR | ±(3.0%+3) | ±(3.0%+3) |
| Dwell angle | 1CYL(0~356.4°) /2CYL (0~178.2°) /3CYL (0~118.8°)/4CYL (0~89.1°) /5CYL (0~71.3°)/6CYL (0~59.4°) /8CYL (0~44.5°) | ±(3.0%+5) | ±(3.0%+5) |
| Pulse width | 999.9mS | | ±(1.5%+10) |
| Display count | | 4000 | 6000 |
| Low battery indication | <2.4V approximately | | |
| Auto power off | Approximately 15 minutes | | |
| Overvoltage category | CAT II 1000V, CAT III 600V | | |

UT105+

UT107+

# UT89X SERIES
## True RMS Digital Multimeters

| Capacitor Measurement | |
|---|---|
| | Fully charged |
| | Charging in progress |

| LED Test (UT89XD only) | |
|---|---|
| | Normal LED, forward voltage within 11.1V DC |
| | LED not working |

### Features

| | |
|---|---|
| Sampling rate: 3 times/s | Display count: 6000/20000 |
| True RMS | AC frequency range: 45~1000Hz |
| Audible/visual alarm | Diode/continuity test |
| Capacitor charging indicator | Auto power off/auto backlight |
| Ergonomic design | Conductance 200nS (89XE) |
| Double injection molding | Data hold |
| Auto backlight | Function selection: SELECT |

UT89XE

| Specifications | Range | UT89X | UT89XD | UT89XE |
|---|---|---|---|---|
| DC voltage (V) | 600mV/6V/60V/600V/1000V<br>200mV/2V/20V/200V/1000V | ±(0.5%+2) | ±(0.5%+2) | ±(0.05%+5) |
| AC voltage (V) | 6V/60V/600V/1000V<br>200mV/2V/20V/200V/1000V | ±(0.8%+5) | ±(0.8%+5) | ±(0.8%+25) |
| DC current (A) | 60μA/60mA/600mA/20A<br>60μA/6mA/60mA/600mA/20A<br>2000μA/200mA/20A | ±(0.8%+8) | ±(0.8%+8) | ±(0.5%+4) |
| AC current (A) | 60mA/600mA/20A<br>2000uA/200mA/20A | ±(1%+12) | ±(1%+12) | ±(1.5%+15) |
| Resistance (Ω) | 600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ<br>200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ | ±(0.8%+3) | ±(0.8%+3) | ±(0.4%+5) |
| Capacitance (F) | 100mF<br>200mF | ±(2.5%+20) | ±(2.5%+20) | ±(4%+50) |
| Conductance (ns) | 200nS | | | ±(1.2%+50) |
| Frequency (Hz) | 9.999Hz/9.999MHz<br>60MHz | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+3) |
| Duty cycle | 0.1%~99.9% | ±(2%+5) | ±(2%+5) | |
| Temperature (°C) | -40°C~1000°C | ±(2%+4) | | ±(1%+10) |
| Temperature (°F) | -40°F~1832°F | ±(2%+8) | | ±(1.5%+10) |
| Live wire test | | √ | | |
| LED test | | | 12V | |
| Audible/visual alarm | V/A/Cap/Diode | Live/hFE/NCV | LED/hFE/NCV | √ |
| Transistor hFE | | √ | √ | |
| Dual range NCV test | | √ | √ | |
| Flashlight | | √ | √ | |
| MAX/MIN | | | | √ |
| Peak Hold | | | | √ |
| LPF measurement | | | | √ |
| Overvoltage category | CAT II 1000V, CAT III 600V | | | |

### Characteristics

| | |
|---|---|
| Standard accessories | Batteries, test lead, k-type temperature probe (UT89X/UT89XE), English manual |
| Power | 1.5V battery (R03) x 4 |
| Display | 61 x 36mm |
| Product size | 189 x 89 x 53mm |
| Product net weight | 345g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 450 x 355 x 340mm |
| Standard carton gross weight | 12.2kg |

# UT116 SERIES
## SMD Testers

**The pen can be rotated by 180° for easy reading and operation**

**Probe attachment**

**LED measurement**

| Specifications | UT116A | UT116C |
|---|---|---|
| Certificates | CE, UKCA | |
| Display count | 3000 | 6000 |
| Resistance | 30MΩ | 60MΩ |
| Capacitance | 30mF | 100mF |
| Diode test | 3V | 3.2V |
| LED/stabilivolt | About 21V/1mA | About 21V/1mA |
| Continuity Test | <30Ω | <50Ω |
| DCV | 36V | |
| Battery test | | Load current≈10mA |
| Auto scan identification | √ | |

| Features | |
|---|---|
| 36V DC voltage measurement | Zener diode polarity test |
| Auto range | Auto power off |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 39 x 20mm |
| Product size | 204 x 33 x 25mm |
| Product net weight | About 80g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | 440 x 420 x 210mm |
| Standard carton gross weight | About 7.1kg |

# UT118B
## Pen Type Digital Multimeter

CE RoHS

UT118B pen type multimeter is light and durable. This meter has a fast sampling rate of 4 times/s, which can quickly capture measurement readings. It is a cost-effective product customized for home appliance repair and DIYers.

UT118B

| Specifications | Range (SCAN Mode) | Range (AUTO Mode) | Accuracy |
|---|---|---|---|
| **Certificates** | **CE, UKCA** | | |
| DC voltage (V) | 600V | 600V | ±(1%+3) |
| AC Voltage (V) | 600V | 600V | ±(1%+4) |
| Resistance (Ω) | 3MΩ | 30MΩ | ±(1%+3) |
| Capacitance (F) | 300μF | 3mF | ±(3%+5) |
| Display count | 3000 | | |
| Auto power off | Around 10 minutes | | |
| Input impedance for DCV | ≥10MΩ | | |
| Overvoltage category | CAT III 300V | | |

| Features | |
|---|---|
| Auto range | Data hold/diode |
| EF function | MAX/MIN |
| Continuity buzzer | LCD backlight |
| Low battery indication | Penlight |

| Characteristics | |
|---|---|
| Standard accessories | Battery, test lead, English manual |
| Power | 3V battery (CR2032) |
| Display | 28 x 14mm |
| Product size | 20 x 27 x 182mm |
| Product net weight | 90g |
| Standard individual packing | Blister |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 405 x 300 x 300mm |
| Standard carton gross weight | 7.1kg |

**(UT120A/UT120B only)**

CE  RoHS  ETL Intertek

# UT120 SERIES
## Pocket Size Digital Multimeters

UT120 series multimeters are designed for DIYers and electronics engineers to troubleshoot electronics systems development and electronics circuits. It is a simple and portable multimeter for every electronics engineer.

UT120C

**DIGITAL MULTIMETERS**

| Specifications | Range | UT120A | UT120B | UT120C |
|---|---|---|---|---|
| DC voltage (V) | 600V | ±(0.8%+1) | ±(0.8%+1) | ±(0.8%+1) |
| AC voltage (V) | 600V | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| DC current (A) | 400mA | | | ±(1%+3) |
| AC current (A) | 400mA | | | ±(1.5%+5) |
| Resistance (Ω) | 40MΩ | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| Capacitance (F) | 100μF | | ±(4%+3) | ±(4%+3) |
| Frequency (Hz) | 100kHz | ±(0.5%+3) | ±(0.5%+3) | ±(0.5%+3) |
| Display count | 4000 | | | |
| Overvoltage category | CAT II 600V | | | |

| Features | |
|---|---|
| Auto range | Duty cycle: 0.1%~99.9% |
| Diode | Auto power off |
| Continuity buzzer | Low battery indication: ≤2.4V |
| Data hold | Relative mode |

| Characteristics | |
|---|---|
| Standard accessories | Blister, English manual |
| Power | 3V battery (CR2032) |
| Display | 43 x 22mm |
| Product size | 110 x 58.2 x 10.8mm |
| Product net weight | 76g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | 430 x 255 x 460mm |
| Standard carton gross weight | 11.5kg |

# UT123 SERIES
## Residential Digital Multimeter

**(UT123T only)**

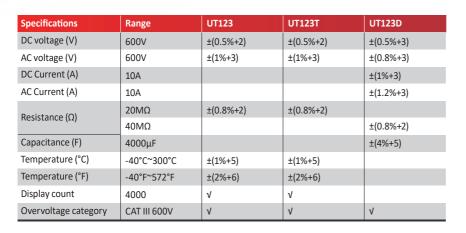CE  RoHS  ETL c us Intertek  FC

**(UT123D only)**

CE  RoHS

The UT123 series are pocket-sized multimeters designed for home use. Its compact construction makes it easy to operate, and the EBTN screen allows users to get clear readings at the maximum angle, also suitable for use in dark environments.

These meters are characterized by NCV, auto power off, and low battery indication, and audible and visible alarm functions, which are good tools for home or DIY enthusiasts.

UT123

## LED FUNCTION DESCRIPTIONS

| Functions | LED off | Green LED | Yellow LED | Red LED |
|---|---|---|---|---|
| *NCV | | 30V~60V | 60V~100V | >220VAC |
| Continuity (UT123/123T) | >420Ω | Good (≤30Ω) | | Poor (30Ω~420Ω) |
| Battery power — LED ON for 2s when power on | | Normal (>2.7V) | Low (2.5V~2.7V) | No power (<2.5V) |

*NCV voltage values above are tested at contact distance (0cm) from the charged bare wire, it is used for reference only. When meter is at some distance away from test object, NCV indication light may change to the weaker voltage color.

| Specifications | Range | UT123 | UT123T | UT123D |
|---|---|---|---|---|
| DC voltage (V) | 600V | ±(0.5%+2) | ±(0.5%+2) | ±(0.5%+3) |
| AC voltage (V) | 600V | ±(1%+3) | ±(1%+3) | ±(0.8%+3) |
| DC Current (A) | 10A | | | ±(1%+3) |
| AC Current (A) | 10A | | | ±(1.2%+3) |
| Resistance (Ω) | 20MΩ | ±(0.8%+2) | ±(0.8%+2) | |
| | 40MΩ | | | ±(0.8%+2) |
| Capacitance (F) | 4000µF | | | ±(4%+5) |
| Temperature (°C) | -40°C~300°C | ±(1%+5) | ±(1%+5) | |
| Temperature (°F) | -40°F~572°F | ±(2%+6) | ±(2%+6) | |
| Display count | 4000 | √ | √ | |
| Overvoltage category | CAT III 600V | √ | √ | √ |

**Temperature measurement**

**Continuity, resistance**

| Features | |
|---|---|
| True RMS (UT123D only) | Live (UT123D only) |
| Auto range (UT123/UT123T only) | Continuity (UT123/UT123T only) |
| Over voltage alarm (UT123/UT123T) | NCV |
| Low Battery Indication | Data Hold |
| Audible and Visable alarm | Auto Power Off |

**EBTN LCD screen, high contrast**

# UT125C
## Pocket Size Digital Multimeter

**UT125C is a pocket size, ergonomic and reliable multimeter with 4000 display counts. It is a useful tool for electronics DIYers working with low currents (<0.4A).**
**This product is CE/cETLus certified and complies with CAT III 600V.**

UT125C

| Specifications | Range | Accuracy |
|---|---|---|
| DC voltage (V) | 600V | ±(0.5%+5) |
| AC voltage (V) | 600V | ±(1.2%+5) |
| DC current (A) | 400mA | ±(1.8%+5) |
| AC current (A) | 400mA | ±(2%+8) |
| Resistance (Ω) | 40MΩ | ±(1%+5) |
| Capacitance (F) | 100μF | ±(4%+10) |
| Frequency (Hz) | 10Hz~60kHz | ±(0.1%+5) |
| Duty cycle | 20%~80% | Reference |
| Operating temperature | 0°C~50°C | |
| Overvoltage category | CAT III 600V | |

| Features | |
|---|---|
| NCV | Diode test/Continuity test |
| Low battery indication | Data hold/backlight |

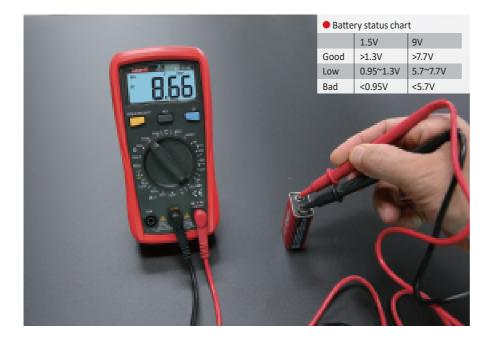| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 38 x 23mm |
| Product size | 112 x 58 x 35mm |
| Product net weight | 180g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | 500 x 290 x 280mm |
| Standard carton gross weight | 13.5kg |

# UT133 SERIES
## Digital Multimeters



● Battery status chart

|  | 1.5V | 9V |
|---|---|---|
| Good | >1.3V | >7.7V |
| Low | 0.95~1.3V | 5.7~7.7V |
| Bad | <0.95V | <5.7V |

UT133B

| Specifications | Range | UT133A | UT133B |
|---|---|---|---|
| DC voltage (V) | 600mV/6000mV/60V/600V | ±(0.7%+3) | ±(0.7%+3) |
| AC voltage (V) | 600V | ±(0.7%+3) | ±(1.2%+3) |
| DC current (A) | 600μA/60mA/600mA/10A | ±(1%+3) | ±(1%+2) |
| AC current (A) | 10A | ±(1.2%+3) | |
| Resistance (Ω) | 600Ω/6000Ω/60kΩ/600kΩ/60MΩ | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance (F) | 9.999mF | ±(4%+5) | ±(4%+5) |
| Frequency (Hz) | 10.00Hz~1.000MHz | ±(0.1%+5) | |
| Temperature (°C) | −40°C~1000°C | ±(1%+4) | |
| Temperature (°F) | −40°F~1832°F | ±(1.5%+5) | |
| Display count | | 6000 | 6000 |
| Range selection | | Auto | Manual |
| Battery test | Tests 1.5V and 9V batteries and displays 'good', 'low', 'bad' status | | √ |
| Overvoltage category | CAT III 600V | | |

| Features | |
|---|---|
| Over voltage/current audible alarm | Continuity buzzer |
| High voltage warning | NCV |
| Auto power off (can be disabled) | LCD backlight |
| Low power consumption | Test probe holder |
| Battery test with status | Data hold |
| Diode | Low battery indication |
| 2m drop proof | Overload indication |

| Characteristics | |
|---|---|
| Standard accessories | Test leads, K-type thermocouple (UT133A), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 50 x 23mm |
| Product size | 155 x 76.5 x 49mm |
| Product net weight | 255g (with batteries) |
| Standard individual packing | Gift box |
| Standard quantity per carton | 30pcs |
| Standard carton measurement | 350 x 335 x 318mm |
| Standard carton gross weight | 11.8kg |
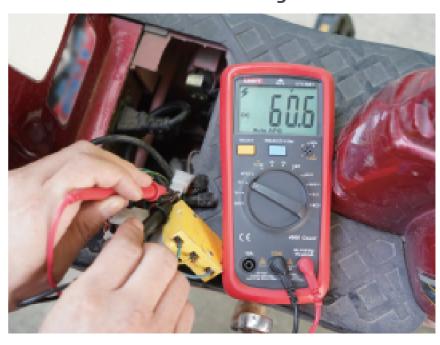
# UT136+ SERIES
## Digital Multimeters

UT136C+

| Specifications | Range | UT136B+ | UT136C+ |
|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.7%+3) | ±(0.7%+3) |
| AC voltage (V) | 1000V | ±(1%+3) | ±(1%+3) |
| DC current (A) | 10A | ±(1%+3) | ±(1%+3) |
| AC current (A) | 10A | ±(1.2%+5) | ±(1.2%+5) |
| Resistance (Ω) | 40MΩ | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance (F) | 40mF | ±(3%+5) | ±(3%+5) |
| Frequency (Hz) | 400Hz~40MHz | ±(0.1%+4) | ±(0.1%+4) |
| Temperature (°C) | -40~1000°C | | ±(1%+3) |
| Temperature (°F) | -40~1832°F | | ±(1.5%+5) |
| Display count | | 4000 | 4000 |
| NCV | | √ | |
| Overvoltage category | CAT II 1000V, CAT III 600V | | |

| Features | |
|---|---|
| Equipped with 3mm protective sleeve | Measures up to 1000V and 10A AC/DC current |
| Quick sampling rate, up to 4 times/s | Large LCD display |
| Transistor measurement | Quick capacitor measurement (measures 1mF in 4 seconds) |
| Overload alarm | Diode/continuity buzzer |
| LCD backlight | Data hold/Auto power off |
| 2m drop proof | Low power consumption and auto power saving function |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, temperature probe (UT136C+), English manual |
| Power | 1.5V battery (R6) x 2 |
| Display | 56.5 x 36mm |
| Product size | 175 x 83 x 53mm |
| Product net weight | 330g |
| Standard individual packing | Gift Box |
| Standard quantity per carton | 30pcs |
| Standard carton measurement | 390 x 355 x 355mm |
| Standard carton gross weight | 14.8kg |

# UT139 SERIES
## True RMS Digital Multimeters

UT139 series are CAT III 600V digital multimeters designed for electricians. Its NCV feature can effectively check electrical status through measuring EM field intensity. The new UT139S model include special features such as LoZ (ACV) for measuring 'ghost' voltage. It is built-in 31-segment analog bar also gives electricians a better visual representation of measurement results. UT139S is designed with black EBTN display and it is a perfect meter for working in dark environments.

**DIGITAL MULTIMETERS**

| Specifications | Range | UT139A | UT139B | UT139C | UT139S |
|---|---|---|---|---|---|
| DC voltage (V) | 600V | ±(0.7%+3) | ±(0.7%+3) | ±(0.7%+3) | ±(0.7%+3) |
| AC voltage (V) | 600V | ±(1%+3) | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) |
| DC current (A) | 10A | ± (1%+3) | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| AC current (A) | 10A | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| Resistance (Ω) | 20MΩ / 40MΩ / 60MΩ | ±(1%+2) | ±(0.8%+2) | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance (F) | 99.99mF | | ±(4%+5) | ±(4%+5) | ±(4%+5) |
| Frequency (Hz) | 10Hz~10MHz | | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+4) |
| Temperature (°C) | -40 °C~1000°C | | | ±(1%+3) | ±(1%+4) |
| Temperature (°F) | -40°F~1832°F | | | ±(1.5%+5) | ±(1.5%+5) |
| Display count | | 2000 | 4000 | 6000 | 6000 |
| Display type | | LCD | LCD | LCD | EBTN |
| Bandwidth (Hz) | | 45Hz~400Hz | 45Hz~1kHz | 45Hz~1kHz | 45Hz~400Hz |
| Duty cycle | 0.1%~99.9% | | √ | √ | √ |
| Diode | | Around 2V | Around 3V | Around 3V | Around 3V |
| LoZ (ACV) | | | | | √ |
| LPF (ACV) | | | | | √ |
| Analog bar | | | | | √ |
| Overvoltage category | CAT III 600V | | | | |

UT139S

| Features | |
|---|---|
| Auto range/manual range | True RMS |
| NCV | Continuity buzzer |
| VFC (UT139A/UT139B/UT139C) | Unique battery test: For testing 1.5V/9V batteries (UT139A) |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, temperature probe (UT139C/S), English manual |
| Power | 1.5V battery (R6) x 2 |
| Display | 58 x 36mm |
| Product size | 170 x 80 x 48mm |
| Product net weight | UT139A/B/C: 354g; UT139S: 345g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | UT139A/B/C: 450 x 330 x 340mm; UT139S: 425 x 275 x 340mm |
| Standard carton gross weight | UT139A/B: 11.8kg; UT139C: 12.3kg; UT139S: 12.4kg |

# UT171 SERIES

## Industrial True RMS Digital Multimeters

UT171 series are industrial grade multimeters used by professionals. Its built-in square wave output is useful for troubleshooting industrial control signals. The LoZ (ACV) feature can be used to identify residual (ghost) voltage in large capacitors. UT171C's OLED display has great viewing angle and is perfect for working in low temperatures.

UT171C

UT-D07B

● Smart phone APP: UNI-T Smart Measure
● Works with UT-D07B Bluetooth adaptor
● Download from App Store or Google Play

| Specifications | Range | UT171B | UT171C |
|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.025%+5) | ±(0.025%+5) |
| AC voltage (V) | 1000V | ±(0.4%+40) | ±(0.4%+40) |
| DC current (A) | 10A | ±(0.15%+10) | ±(0.15%+10) |
| AC current (A) | 10A | ±(0.75%+20) | ±(0.75%+20) |
| Resistance (Ω) | 40MΩ 60MΩ | ±(0.05%+2) | ±(0.05%+2) |
| Conductance (nS) | 60nS | ±(1%+10) | ±(1%+10) |
| Capacitance (F) | 40mF 60mF | ±(2.5%+5) | ±(2.5%+5) |
| Frequence (Hz) | 10Hz~10MHz | ±(0.01%+5) | ±(0.01%+5) |
| Temperature (°C) | -40°C~1000°C | ±(1%+3) | ±(1%+3) |
| Temperature (°F) | -40°F~1832°F | ±(1.5%+5) | ±(1.5%+5) |
| Display count | | 60000 | 60000 |
| 4~20mA loop | 0~100% | √ | √ |
| LoZ (ACV) | Around 3kΩ | √ | √ |
| Data storage | | 9999 | 9999 |
| Display type | | EBTN | OLED |
| Overvoltage category | CAT III 1000V, CAT IV 600V | | |

| Features | |
|---|---|
| Auto/Manual range | Analog bar graph: 31 segments |
| True RMS/Relative mode | LCD backlight |
| Bandwidth (Hz): 100kHz | Mis-plug alarm |
| Diode: Around 3V | Low battery indication |
| Continuity buzzer | Auto power off |
| Duty cycle: 0.1%~99.9% | Input protection |
| NCV/Data hold | MAX/MIN |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test leads, point contact temperature probe, English manual, USB interface cable, power adaptor (UT171B/C) |
| Optional accessories | Bluetooth adaptor (UT-D07B) |
| Power | UT171A: 1.5V battery (R03) x 6; UT171B/C: 7.4V 2000mAh Li-ion battery |
| Display | UT171A: 70.6 x 49.5mm  UT171B/C: 70.6 x 35.3mm |
| Product size | 206 x 95 x 55mm |
| Product net weight | 384g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 390 x 310 x 205mm |
| Standard carton gross weight | 5.6kg |

DIGITAL MULTIMETERS

# UT181A
## True RMS Datalogging Multimeter

CE

ETL Intertek

UT181A is a datalogging true RMS multimeter with features such as trend capture, low pass filter, nS conductance, dual temperature, and more. Users can store up to 20000 sets of measurement data and display them on a trend graph for long term monitoring.

UT181A

UT-D07B

● Smart phone APP: UNI-T Smart Measure
● Works with UT-D07B Bluetooth adaptor
● Download from App Store or Google Play

| Specifications | Range | Accuracy |
|---|---|---|
| DC voltage (V) | 1000V | ±(0.025%+5) |
| AC voltage (V) | 1000V | ±(0.3%+30) |
| DC current (A) | 10A | ±(0.08%+10) |
| AC current (A) | 10A | ±(0.6%+20) |
| Resistance (Ω) | 60MΩ | ±(0.05%+2) |
| Conductance (nS) | 60nS | ±(2%+10) |
| Capacitance (F) | 60mF | ±(2%+5) |
| Frequency (Hz) | 10Hz~60MHz | ±(0.01%+5) |
| Temperature (°C) | -40°C~1000°C | ±(1%+30) |
| Temperature (°F) | -40°F~1832°F | ±(1.5%+50) |
| Display count | 60000 | |
| Overvoltage category | CAT III 1000V, CAT IV 600V, IP65 | |

| Features | |
|---|---|
| Auto/Manual range | Bandwidth: 100kHz |
| AC+DC/Continuity buzzer | Low pass filter: 1kHz |
| dBV/dBm | Diode: Around 3V |
| Duty cycle:10%~90% | Dual temperature measurement: T1, T2, T1-T2, T2-T1 |
| Data hold/Peak hold/Relative mode | Data logging: 20000 |
| Trend capture | MAX/MIN/AVG |
| Data time display/data comparison | Backlight adjustment |
| Analog bar graph/USB interface | Mis-plug alarm |
| Battery indication/auto power off | Rechargeable battery |

| Characteristics | |
|---|---|
| Standard accessories | Battery, test leads, temperature adaptor socket, point contact temperature probes, power adaptor socket, power adaptor, USB interface cable, English manual |
| Optional accessories | Bluetooth adaptor (UT-D07B) |
| Power | Li-ion battery: 7.4V 2200mAh |
| Display | 3.5-inch 64k color TFT LCD (320 x 240) |
| Product size | 225 x 103 x 59mm |
| Product net weight | 638.6g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 355 x 310 x 265mm |
| Standard carton gross weight | 7kg |

# UT191 SERIES
## Professional Multimeters

| Specifications | Range | UT191E | UT191T |
|---|---|---|---|
| DC voltage (V) | 600V | ±(0.2%+5) | ±(0.2%+5) |
| AC voltage (V) | 600V | ±(1%+3) | ±(1%+3) |
| LoZ AC (V) | 600V | ±(2%+3) | ±(2%+3) |
| ACV LPF | 600V | ±(2%+5) | ±(2%+5) |
| DC current (A) | 20A | ±(0.8%+3) | ±(0.8%+3) |
| AC current (A) | 20A | ±(1%+3) | ±(1%+3) |
| Resistance (Ω) | 60MΩ | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance (F) | 60mF | ±(3%+5) | ±(3%+5) |
| Frequency (Hz) | 10Hz~1MHz | ±(0.1%+4) | ±(0.1%+4) |
| Duty cycle | 0.1%~99.9% | ±(2%+5) | ±(2%+5) |
| Temperature (°C) | -40°C~400°C (0.1°C resolution) | | ±(1%+20) |
| Temperature (°F) | -40°F~752°F (0.2°F resolution) | | ±(1%+40) |
| ACV peak hold | | ±(2%+100) | ±(2%+100) |
| Peak current detection | | ±(3%+100) | ±(3%+100) |
| Display count | 6000 | | |
| Sampling rate | 3 times/second | | |
| Sampling rate | 3 times/second | | |
| Analog bar graph | 31 sections | | |
| AC voltage frequency response | 45Hz~400Hz | | |
| AC current frequency response | 45Hz~400Hz | | |
| Overvoltage category | CAT III 600V, IP65 | | |

UT191T

| Features | |
|---|---|
| Measurement setting saved after power reset | Diode/Continunity test |
| Auto/Manual range | True RMS/Peak value measurement |
| Auto backlight/Flashlight | Auto power off |
| Low battery indication | Data hold/MAX/MIN |
| Function selection (SELECT) | 20A current measurement |
| IP65, 2m drop proof | LoZ AC measurement |
| Precise temperature measurement with resolution of 0.1°C (UT191T) | |

| Characteristics | |
|---|---|
| Standard accessories | Test lead, battery, carrying bag, point contact temperature probe (UT191T), English manual |
| Power | 9V battery |
| Display | 58 x 42mm |
| Product size | 180 x 87 x 59mm |
| Product net weight | 428g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 535 x 315 x 335mm |
| Standard carton gross weight | 9.2kg |

DIGITAL MULTIMETERS

# UT195 SERIES
## Professional Multimeters

UT195 series are industrial digital multimeters with IP65 and 2m drop proof. It can be used in mines, oilfields and other harsh environments. UT195 series can be used to find issues related to motor drive, factory equipment maintenance, electrical distribution, and repair. It is exquisitely designed and easy to operate.

UT195DS

### Features

| | |
|---|---|
| IP65/2m drop proof | Data hold |
| Ture RMS | Auto power off |
| LoZ ACV | MAX/MIN |
| 3-phase motor sequence test (UT195M/DS) | Function selection |
| LPF ACV (UT195DS) | Flashlight/Auto backlight |

| Specifications | Range | UT195E | UT195M | UT195DS |
|---|---|---|---|---|
| DC voltage (V) | 1000V | ±(0.2%+5) | ±(0.2%+5) | ±(0.2%+5) |
| AC voltage (V) | 1000V | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| AC+DC | 600V | | | ±(1.5%+4) |
| LoZ ACV | 600V | ±(2%+3) | ±(2%+3) | ±(2%+3) |
| DC current (A) | 20A | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) |
| AC current (A) | 20A | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| Resistance (Ω) | 60MΩ | ±(0.8%+2) | ±(0.8%+2) | ±(0.8%+2) |
| Capacitance | 60mF | ±(3%+5) | ±(3%+5) | ±(3%+5) |
| Frequency | 60Hz~10MHz<br>60Hz~40MHz | ±(0.1%+4) | ±(0.1%+4) | ±(0.1%+4) |
| Duty cycle | 0.1%~99.9% | ±(2%+5) | | ±(2%+5) |
| Temperature (°C) | -40°C~1000°C | | ±(1.5%+4) | |
| Temperature (°F) | -40°F~1832°F | | ±(2%+5) | |
| Display count | | 6000 | 6000 | 6000 |
| Display interface (LCD) | | Single | Single | Dual |
| Measurement sampling rate | | 3/s | 3/s | 5/s |
| Analog bar sampling rate | | 10/s | | 20/s |
| Analog bar | | 31 | | 31 |
| AC voltage frequency response | | 45~400Hz | 45~1kHz | 45~5kHz |
| AC current frequency response | | 45~400Hz | 45~1kHz | 45~5kHz |
| 3-phase motor sequence test | | | 600V | 600V |
| Low pass filter | | | | 1kHz |
| Diode/Continuity test | | 3.5V | 3V | 3V |
| Peak hold | | | | 250μs |
| Overvoltage category | CAT III 1000V, CAT IV 600V, IP65 | | | |

### Characteristics

| | |
|---|---|
| Standard accessories | Test probes, battery, carrying bag, point contact temperature probe (UT195M), English manual (German, French, Spanish optional) |
| Power | 9V battery |
| Display | 66 x 51mm |
| Product size | 195 x 95 x 58mm |
| Product net weight | 437g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 605 x 335 x 405mm |
| Standard carton gross weight | UT195E/UT195M: 11.8kg; UT195DS: 11.18kg |

# UT196

## Professional Multimeter - Solar Pro

UT196 True RMS solar digital multimeter is an ideal tool for solar power system maintenance. This rugged meter is designed for technicians who work in rugged outdoor environments. UT196 can measure up to 1700V DC and 1500V AC voltages, and 3000A AC current with an external current clamp sensor. This solar meter offers IP65 protection and able to withstand 2m drop as well.

The low-pass filter function allows the meter to isolate high-frequency noise generated by the drive controller. Its low impedance mode can help technicians to troubleshoot sensitive circuits as well as circuits that may contain ghost voltages. The built-in flashlight, bright backlight and visual alarm enable users to finish the work safely and efficiently even in dark and noisy environments.

UT196 solar digital multimeter is designed with 1700V DC, 1500Vrms AC overload protection and tested for safe usage in CAT III 1000V, CAT IV 600V environments.

| Specifications | Range | |
|---|---|---|
| DC voltage (V) | 1700V | ±(0.2%+5) |
| AC voltage (V) | 1500V | ±(0.8%+3) |
| Frequency (Hz) | 1MHz | ±(0.08%+4) |
| Resistance (Ω) | 60MΩ | ±(0.8%+2) |
| Capacitance (F) | 60mF | ±(1.9%+5) |

| Features | | |
|---|---|---|
| Display count | | 6000 |
| Dual display | | √ |
| Auto range | | √ |
| NCV | | √ |
| Diode/Continuity test | | √ |
| Relative mode | | √ |
| Max/Min | | √ |
| Data hold/Peak | | √ |
| Low pass filter (LPF) | | √ |
| Audible and visual indication | | √ |
| Low battery indication | <7.5V | √ |
| Optional flex clamp | 3000A AC (UT-CS09D) | √ |
| Analog bar graph | | √ |
| Auto power off | 15minutes | √ |
| Flashlight | | √ |
| IP rating | | IP65 |
| Drop test | | 2m |
| Safety rating | | CAT III 1000V, CAT IV 600V |

UT196

| Characteristics | |
|---|---|
| Standard accessories | Test leads, batteries |
| Power | 9V (6F22) |
| Product size | 195 x 95 x 58mm |
| Product net weight | 485g |
| Standard individual packing | Gift box, carrying bag, English manual |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 480 x 370 x 195mm |

# UT890 SERIES
## True RMS Digital Multimeters

The UT890C/D+ 6000-count true RMS digital multimeters are designed with large LCD display. The maximum measurable capacitance is 100mF, with fast response time of less than 12s. The NCV and continuity measurement have acousto-optic indications. UT890D+ has a LIVE function for distinguishing between live and neutral wires. In addition, it is equipped with the automatic fuse blown detection and high voltage protection.

**Applications:**
- Electrical switchboards; HVAC systems;
- Electrical circuit faults detection;
- Installation or maintenance of electronics/ factory equipment;
- Electronics component;
- development, circuit board design;
- Users who need to distinguish between neutral/ live wire frequently.

Live and nature wires identification

UT890D+

| Specifications | Range | UT890C | UT890D+ |
|---|---|---|---|
| DC voltage | 600mV/6V/60V/600V/1000V | ±(0.7%+3) | ±(0.7%+3) |
| AC voltage | 6V/60V/600V/750V | ±(0.8%+3) | ±(0.8%+3) |
| ACV Frequency | 10Hz~10kHz | ±(0.1%+5) | ±(0.1%+5) |
| DC current | 60µA/600µA/6mA/60mA/600mA/20A | ±(0.8%+8) | ±(0.8%+8) |
| AC current | 60µA/600µA/6mA/60mA/600mA/20A | ±(1%+12) | ±(1%+12) |
| Resistance | 600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ | ±(0.8%+3) | ±(0.8%+3) |
| Capacitance | 100mF | ±(3%+10) | ±(3%+10) |
| Frequency | 9.999Hz~9.999MHz | ±(0.1%+5) | ±(0.1%+5) |
| Temperature | -40°C~1000°C/-40°F~1832°F | ±(1%+3) | |
| Display count | | 6000 | 6000 |
| Live | | | √ |
| Overvoltage category | CAT II 1000V, CAT III 600V | | |

| Features | |
|---|---|
| Manual range/True RMS | NCV/hFE/Max/Min |
| Data hold/REL | Diode test/Continuity test |
| Audible/visual alarm (NCV/continuity) | High voltage false detection: 1000Vrms |
| Current (AC/DC) mode memory | Over-current alarm: ≥20A |
| Low battery indication: ≤2.5V | Auto power off/LCD Backlight |
| Fuse blowing alarm (mA only): Input overload or misoperation | |

Fuse blowning alarm (mA only)

| Characteristics | |
|---|---|
| Standard accessories | Batteries, test lead,  k-type temperature probe (UT890C), English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | 60 x 35mm |
| Product size | 183 x 88 x 56mm |
| Product net weight | 346g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 645 x 450 x 340mm |
| Standard carton gross weight | 23.3kg |

# UT892

## 2000V AC/DC High Voltage Digital Multimeter

UT892 High Voltage Multimeter provides AC/DC voltage measurement up to 2000V with full range overload protection. The specially designed 2000V input terminal and the indication for test leads allow users to take electrical measurements safely and efficiently.

This meter features VFC mode for accurate measurements on variable frequency motor drives and noisy devices. The built-in NCV helps users detect the presence of live voltage without contacting any metal conductor, and the LIVE test can identify the live wire with a single test lead. UT892 has a removable rubber holster that can also hold test probes for one-handed operation.

The input terminals on the meter meet the safety rating of CAT II 1000V/CAT III 600V.

| Specifications | Range | Range |
|---|---|---|
| DC voltage (V) | 2000V | ±(0.5%+3) |
| AC voltage (V) | 2000V | ±(1.0%+3) |
| Variable frequency voltage (VFC) | 600V | ±(5%) |
| High voltage frequency (Hz) | 10Hz~10kHz | ±(0.5%+2) |
| Resistance (Ω) | 60MΩ | ±(0.5%+5) |
| Capacitance (F) | 60mF | ±(3.0%+10) |

| Features | | |
|---|---|---|
| Display counts | | 6000 |
| Auto/manual range | | √ |
| NCV | | √ |
| LIVE test | | √ |
| Diode | | √ |
| Continuity | | √ |
| Low battery indication | ≤2.5V approximately | √ |
| Data hold | | √ |
| Max/Min | | √ |
| Relative mode | | √ |
| Auto power off | Approximately 15 minutes | √ |
| Backlight | | √ |
| Overvoltage category | CAT II 1000V/CAT III 600V | √ |

| Characteristics | |
|---|---|
| Standard accessories | English manual, test leads, batteries |
| Power | AA 1.5V x 2 |
| Product size | 187 x 88 x 56mm |
| Product net weight | 350g (Including batteries) |
| Standard individual packing | Gift box |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 645 x 450 x 350mm |

UT892

# INFRARED THERMOMETERS

Infrared thermometer plays an important role in production quality control, equipment maintenance and troubleshooting, energy saving, and other applications. Infrared thermometer measures temperature through non-contact method, producing quick and accurate results. It allows users to measure high temperatures at a safe distance.

# UT300A+
## Infrared Thermometer

**UT300A+ is an economical infrared thermometer. Its compact and simple design makes it easy for users to carry and operate. Designed with high accuracy, high repeatability, quick response, UT300A+ is suitable for measuring the surface temperature of hard-to-reach or dangerous objects.**

| Features |
| --- |
| Simple one button operation |
| Data hold |
| Backlight |
| Low battery indication |
| °C/°F selection |

| Specifications | UT300A+ |
| --- | --- |
| Temperature range (°C) | -20°C~400°C |
| Temperature range (°F) | -4°F~752°F |
| Accuracy (°C) | ±2.0°C or ±2% |
| Accuracy (°F) | ±4.0°F or ±2% |
| Repeatability | 1°C or 1.0% (2°F or 1.0%) |
| D:S ratio | 10:1 |
| Response time | ≤500ms (95% of reading) |
| Emissivity | 0.95 |
| Spectral response | 5.5µm~14µm |
| Laser power | <1mW |
| Auto power off | 8s |
| Operating temperature | 0°C~50°C (32°F~122°F) |
| Storage temperature | -20°C~60°C (-4°F~140°F) |
| Operating humidity | <90% RH (non-condensing) |
| Drop proof | 1m |

UT300A+

| Characteristics | |
| --- | --- |
| Standard accessories | Batteries |
| Power | 1.5V battery (LR03) x 2 |
| Display | 20 x 24mm |
| Product size | 135 x 94 x 36.5mm |
| Product net weight | 146g |
| Standard individual packing | Gift box, English manual |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 430 x 265 x 300mm |
| Standard carton gross weight | 6.97kg |

# UT301+ SERIES
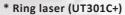## Infrared Thermometers



UT301D+

**Scheduled measurement (UT301C+/301D+):**
**(automatic process)**
Set start and interval time, device will auto turn on once every interval time to perform a measurement.

**\* Ring laser (UT301C+)**
Unique patented display method that covers entire measured area, user will know exactly where the measurement is taking place.

| | |
|---|---|
| | **Normal status:**<br>**High limit>temperature>low limit** |
| | **Temperature>high limit** |
| | **Temperature<low limit** |

| Specifications | UT301A+ | UT301C+ | UT301D+ |
|---|---|---|---|
| Temperature range (°C) | -32°C~420°C | -32°C~600°C | -32°C~600°C |
| Temperature range (°F) | -25.6°F~788°F | -25.6°F~1112°F | -25.6°F~1112°F |
| Accuracy (°C) | ±1.5°C or ±1.5% | | |
| Accuracy (°F) | ±3.0°F or ±1.5% | | |
| Repeatability | 0.7°C or 0.7% (1.5°F or 0.7%) | | |
| D:S ratio | 12:1 (95%) | | |
| Response time | ≤250ms (95% of reading) | | |
| Emissivity | 0.1~1.0 (adjustable, stores 5 sets of preset values) | | |
| Spectral response | 8μm~14μm | | |
| Laser type | Single | Ring | Dual |
| Data storage | | 99 | 99 |
| Interval time | | 1min~96h | 1min~96h |
| Scheduled measurement | | √ | √ |
| Laser power | <1mW | | |
| LCD display | Color EBTN | | |

| Features | |
|---|---|
| Date/time display (UT301C+/UT301D+) | Time scheduled measurement (UT301C+/UT301D+) |
| Auto power off/low battery indication | Lock measurement/tripod mounting hole |
| Data hold/backlight | °C/°F selection |
| High/low temperature LED/audible alarm | MAX/MIN/AVG/DIFF/Hold modes |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 9V battery |
| Display | 30 x 30mm |
| Product size | 160 x 74 x 48mm |
| Product net weight | 204g |
| Standard individual packing | Gift box, blister, carrying bag |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 475 x 350 x 250mm |
| Standard carton gross weight | 10.43kg |

# UT302+/UT303+ SERIES
## Infrared Thermometers

**Scheduled measurement (UT302C+/303C+/302D+/303D+):**
**(automatic process)**
Set start and interval time, device will auto turn on once every interval time to perform a measurement.

**\* Ring laser (UT302C+/UT303C+)**
Unique patented display method that covers entire measured area, user will know exactly where the measurement is taking place.

**Normal status:**
**High limit>temperature>low limit**

**Temperature>high limit**

**Temperature<low limit**

UT303D+

| Specifications | UT302A+ | UT302C+ | UT302D+ | UT303A+ | UT303C+ | UT303D+ |
|---|---|---|---|---|---|---|
| Temperature range (°C) | -32°C~700°C | -32°C~1100°C | -32°C~1100°C | -32°C~800°C | -32°C~1300°C | -32°C~1300°C |
| Temperature range (°F) | -25.6°F~1292°F | -25.6°F~2012°F | -25.6°F~2012°F | -25.6°F~1472°F | -25.6°F~2372°F | -25.6°F~2372°F |
| Accuracy (°C) | ±1.5°C or ±1.5% | | | | | |
| Accuracy (°F) | ±3°F or ±1.5% | | | | | |
| Repeatability | 0.7°C or 0.7% (1.5°F or 0.7%) | | | | | |
| D:S ratio | 20:1 | | | 30:1 | | |
| Response time | 250ms | | | | | |
| Emissivity | 0.1~1.0 (adjustable, stores 5 sets of preset values) | | | | | |
| Spectral response | 8μm~14μm | | | | | |
| Laser type | Single | Ring | Dual | Single | Ring | Dual |
| Laser power | <1mW | <3mW | <1mW | <1mW | <3mW | <1mW |
| Data storage | | 99 | 99 | | 99 | 99 |
| Interval time | | 1min~96h | 1min~96h | | 1min~96h | 1min~96h |
| Scheduled measurement | | √ | √ | | √ | √ |
| LCD display | Color EBTN | | | | | |
| Operating temperature | 0°C~50°C (32°F~122°F) | | | | | |
| Storage temperature | -20°C~60°C (-4°F~140°F) | | | | | |
| Operating humidity | <90%RH (non-condensing) | | | | | |

| Features | |
|---|---|
| °C/°F selection/backlight | Data hold/lock measurement |
| MAX/MIN/AVG/DIFF/Hold modes | User defined visual and audio alarm |
| Low battery indication/tripod mounting hole | Date/time display (UT302C+/D+/UT303C+/D+) |
| Time scheduled measurement (UT302C+/D+/UT303C+/D+) | Auto power off |

| Characteristics | |
|---|---|
| Standard accessories | Battery, carrying bag, English manual |
| Power | 9V battery |
| Display | 35 x 35mm |
| Product size | 172 x 113.5 x 53mm |
| Product net weight | 310g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 425 x 335 x 365mm |
| Standard carton gross weight | 6.65kg |

# UT305S
## Infrared Thermometer

UT305S infrared thermometer can measure temperature by laser. UT305S has a 50:1 D:S ratio, so it can measure long range temperature points of interest with great accuracy. It is an ideal tool for industrial quality inspection, HVAC, metal working, and electronics manufacturing.

UT305S

| Specifications | UT305S |
|---|---|
| Temperature range (°C) | -50°C~2000°C |
| Temperature range (°F) | -58.0°F~3632°F |
| Accuracy | ±1.0°C or ±1.0% |
| Repeatability | 0.7°C or 0.7% |
| LCD display | EBTN |
| High/low temperature LED alarm | √ |
| Trigger lock | √ |
| Resolution | 0.1°C |
| D:S ratio | 50:1 |
| Response time | 250ms (95% of reading) |
| Emissivity | 0.1~1.0 adjustable |
| Laser type | Class 2 |
| Laser power | <1mW |
| Laser wavelength | 630nm~670nm |
| Spectral response | 8μm~14μm |
| Data storage | 99 |

| Features | |
|---|---|
| °C/°F selection | Laser switch |
| Data hold/LCD backlight | Auto power off |
| Tripod mounting hole | Low battery indication |
| MAX/MIN/AVG/DIFF mode | High/low alarm |

| Characteristics | |
|---|---|
| Standard accessories | Battery, carrying bag, English manual |
| Power | 9V Battery (1604S) |
| Display | 35 x 35mm |
| Product size | 172 x 113.5 x 53mm |
| Product net weight | 310g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 425 x 335 x 365mm |
| Standard carton gross weight | 6.65kg |

# UT305C+/A+
## Infrared Thermometer

**UT305C+/UT305A+ is an infrared thermometer with the advantages of high precision, high distance ratio (55:1), wide range (-50.0°C~ 2200°C), multi-function, rugged and easy to operate. It can be widely used in a variety of industries, and is an ideal and safe non-contact temperature measuring tool.**

UT305C+

**INFRARED THERMOMETERS**

| Features | |
|---|---|
| Infrared professional mode | High resolution TFT color LCD |
| Surface heat conduction detection mode | Trigger lock function |
| Surface dew point detection mode | Appointment measurement |
| Surface temperature comparison mode | 999 groups of data storage, data output in PDF or CSV format |
| 12 or 24-hour clock | Type K thermocouple temperature measurement |

| Specifications | Range | | |
|---|---|---|---|
| Measurement range | Infrared temperature measurement | UT305C+ | -50°C~2200°C (-58.0°F~3992°F) |
| | | UT305A+ | -50°C~1850°C (-58.0°F~3362°F) |
| | Ambient temperature | -10°C~50°C (14°F~122°F) | |
| | Relative humidity | 10%RH~90%RH | |
| | Type K thermocouple | -50°C~1370°C (-58.0°F~2498°F) | |
| Accuracy | Infrared temperature measurement | ±1.0°C or ±0.01×t°C (whichever is greater) | |
| | Ambient temperature | ±0.5°C (±1.0°F) | |
| | Relative humidity | ±5%RH | |
| | Type K thermocouple | ±(0.005×t+1.5)°C | |
| Distance ratio (D:S) | 55:1 | | |
| Emissivity | 0.1~1.0 (custom adjustment or choose from the built-in material table) | | |
| Spectral response | 8μm~14μm | | |
| Repeatability | ±0.005×t°C (°F) or 1°C (2°F) (whichever is greater) | | |
| Display resolution | 0.1°C (0.1°F) | | |
| Unit conversion | °C/°F | | |
| Laser point | Single laser, output <1mW, class II, 630~670 nm of wavelength | | |
| Data storage | 999 groups | | |
| Data output format | PDF, CSV | | |
| Data communication or charging interface | Type-C USB | | |
| Battery | Li-ion 3.7V 2600mAh 18650 rechargeable lithium-ion battery | | |
| Charging time | No more than 3 hours | | |
| Continuous operating time | No less than 20 hours on full charge | | |
| Buzzer alarm | √ | | |
| Trigger lock | √ | | |
| Appointment measurement | √ | | |
| Date and time display | √ | | |
| LCD type | 2.4 inch TFT LCD | | |
| LCD resolution | 320 x 240 pixels | | |

| Characteristics | |
|---|---|
| Standard accessories | Type-C data cable, type K thermocouple probe (bead type) |
| Power | Li-ion 3.7V 2600mAh 18650 rechargeable lithium-ion battery |
| Display | 37 x 49mm |
| Product size | 205 x 65 x 124mm |
| Product net weight | 375g |
| Standard individual packing | Gift box, tool box, user manual |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 365 x 160 x 300mm |
| Standard carton gross weight | 2.07kg |

# UT306 SERIES
## Mini Infrared Thermometers

This infrared thermometer series is robust and easy to use. Users can measure the surface temperature without contacting the object. UT306 series can be used in various fields such as food industry, machine maintenance, metal working, cold storage, and other industrial fields.

UT306S                    UT306C

| Specifications | UT306S | UT306C |
|---|---|---|
| Temperature range | -50°C~500°C | -50°C~500°C |
| Laser type | single | Ring |
| Accuracy | ±2°C or ±2% | ±2°C or ±2% |
| Resolution | 0.1°C | 0.1°C |
| D:S ratio | 12:1 | 12:1 |
| Response time | 250ms | 250ms |
| Emissivity | 0.10~1.00 Adjustable | 0.10~1.00 Adjustable |
| Laser class | Class 2 | Class 2 |
| Laser power | <1mW | <1mW |
| Laser wavelength | 630nm~670nm | 630nm~670nm |
| Spectral response | 8μm~14μm | 8μm~14μm |

| Features | | |
|---|---|---|
| Display type | TN-LCD | EBTN-LCD |
| Unit selection | °C/°F | |
| Laser on/off | √ | |
| Data hold | √ | |
| Auto power off | √ | |
| Low battery Indication | √ | |
| MAX/MIN/AVG/DIF mode | √ | |
| High temperature alarm (audible) | √ | |
| Drop test | 1m | |

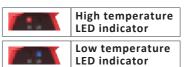| Characteristics | |
|---|---|
| Power | 1.5V AAA x 2 |
| Product net weight | 161.5g |
| Product size | 146 x 78 x 45mm |
| Standard accessories | Batteries |
| Standard individual packing | Card, blister, manual |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 515 x 375 x 175mm |

# UT309 SERIES
## Professional Infrared Thermometers

UT309 series professional infrared thermometers can determine surface temperature through the energy radiated by the target surface. It is designed to meet some of the highest protection ratings in UNI-T's product line, IP65 and 3m drop proof. With a rapid response rate of 250ms, high measurement accuracy, and multiple scanning modes, UT309 proves to be a necessary tool for engineers and technicians working in various fields such as electrical distribution inspection, HVACR maintenance, transportation equipment inspection, instrument repair, and many more.

UT309E

### Features

| | |
|---|---|
| °C/°F selection | Laser on/off |
| High/Low temperature alarm | MAX/MIN/AVG/DIFF mode |
| Data hold/LCD backlight | Auto power off |
| Low battery indication | Lock measurement/Tripod mounting hole |

High temperature LED indicator

Low temperature LED indicator

| Specifications | UT309A | UT309C | UT309E |
|---|---|---|---|
| Temperature range (°C) | -35°C~450°C | -35°C~650°C | -35°C~850°C |
| Temperature range (°F) | -31°F~842°F | -31°F~1202°F | -31°F~ 1562°F |
| D:S ratio | 10:1 | 12:1 | 20:1 |
| Emissivity | 0.95 | 0.1~1 adjustable | 0.1~1 adjustable |
| Laser type | Single | Dual | Dual |
| LCD display | LCD | LCD | Color EBTN |
| Data storage with date and time | | | 99 |
| Scheduled measurement | | | √ |
| Monitoring measurement | | | √ |
| Accuracy (°C) | ±1.8°C or ±1.8% | | |
| Accuracy (°F) | ±3.6°F or ±1.8% | | |
| Resolution | 0.1°C | | |
| Response time | 250ms (95% of reading) | | |
| Laser type | Class 2 | | |
| Laser power | <1mW | | |
| Laser wavelength | 630nm~670nm | | |
| Spectral response | 8µm~14µm | | |
| IP rating | IP65 | | |
| Drop proof | 3m | | |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual (UT309A/C only: German, French, Spanish optional) |
| Power | 9V battery (6F22) |
| Display | UT309A/C: 32 x 29mm; UT309D: 32 x 32mm |
| Product size | 189 x 118 x 55mm |
| Product net weight | 292g |
| Standard individual packing | Gift box, blister, carrying bag |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 430 x 335 x 330mm |
| Standard carton gross weight | UT309A/C: 6.5kg; UT309D: 5.8kg |

INFRARED THERMOMETERS

# ENVIRONMENTAL TESTERS

Our environment is seriously affected by the rapid economic growth and industrialization of today's society. Climate change is the toughest obstacle facing humanity today. Environmental indicators such as temperature, humidity, illumination, noise, dust, CO, $CO_2$ are important data for ensuring a healthy living environment. UNI-T is committed to environmental monitoring by offering professional and comprehensive environmental testers. These meters output audio/visual alerts whenever environment data goes beyond normal/preset range.

CE UK CA RoHS

# 4-Channel Thermometer

**UT325F 4-Channel Thermometer is a high- accuracy digital thermometer that uses a thermocouple as the temperature probe.**

| Features | |
|---|---|
| PC software | Set the thermocouple type of each channel separately |
| Data storage | Bluetooth APP |
| High accuracy | Temperature difference |

| Model | UT325F | |
|---|---|---|
| **Thermocouple types** | **Type K, J, T, E, R, S and N** | |
| Measuring range | Type K thermocouple | -200.0°C~1372°C (-328.0°F~2501°F) |
| | Type J thermocouple | -210.0°C~1200°C (-346.0°F~2192°F) |
| | Type T thermocouple | -250.0°C~400.0°C (-418.0°F~752.0°F) |
| | Type E thermocouple | -150.0°C~1000°C (-238.0°F~1832°F) |
| | Type R thermocouple | 0°C~1767°C (32°F~3212°F) |
| | Type S thermocouple | 0°C~1767°C (32°F~3212°F) |
| | Type N thermocouple | -200.0°C~1300°C (-328.0°F~2372°F) |
| Display resolution | 0.1°C/°F/K (<1000), 1.0°C/°F/K (≥1000) | |
| Accuracy | ±(0.2%+0.5°C), ±(0.2%+0.9°F) | |
| Response time | About 500ms | |
| Measurement functions | Unit selection | °C/°F/K |
| | Data hold | √ |
| | Auto power off | √ |
| | Measurement modes | MIN/MAX/AVG |
| | Temperature difference | √ |
| | Timing measurement | 1s-24h adjustable |
| System functions | Data recording | √ |
| | Backlight | Turn on/off |
| | Data transmission | Type-C USB, Bluetooth |
| | Battery status | √ |
| Drop proof | 1m | |

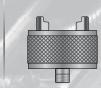| Characteristic | |
|---|---|
| Standard accessories | 155 x 42 x 22.5mm |
| Power | 3 x AAA alkaline zinc-manganese battery |
| Display size | 36 x 49mm |
| Standard individual packing | Gift box |

# UT310A SERIES
## Vibration Testers

This is a handheld vibration tester which consists of acceleration sensor and digital display circuit. It is an ideal inspection tool which mainly used to measure vibration acceleration, velocity and displacement of mechanical equipment.

**Multiple probes:**

Short probe    U-type magnetic sucker (UT312A only)    Long probe

UT311A All in one

UT312A Split type

| Models | UT311A | | UT312A | |
|---|---|---|---|---|
| Language | EN, FR, DE, IT, ES, SV, PL, CZ | | | |
| Parameter | Range | Frequency | Resolution | Accuracy |
| Acceleration (PEAK) | 0.1-199.9m/S$^2$ | LO: 10Hz-1kHz / HI: 1kHz-15kHz | 0.1m/s$^2$ | ±(5%+2dgts) |
| Velocity (RMS) | 0.1-199.9mm/s | 10Hz-1.5kHz | 0.1mm/s | |
| Displacement (P-P) | 0.001-1.999mm | 10Hz-1kHz | 0.001mm | ±(10%+2dgts) |
| Automatically rotatable screen | √ | | | |
| High/Low frequency acceleration | √ | | | |
| Datahold | √ | | | |
| Flashlight | √ | | | |
| LCD type | 2.4" TFT color screen, full view | | | |
| LCD backlight | √ | | | |
| Auto power off | 5 minutes without operation | | | |
| Battery type | 1350mAh/3.7V lithium battery | | | |
| Charging interface | Type-C | | | |
| Charging time | About 3h | | | |
| Battery duration | About 12h | | | |

| Characteristic | UT311A | UT312A |
|---|---|---|
| Standard accessories | Long and short probe, U-type magnetic sucker (UT312A only), USB-C charging cable, User manual, Safety instructions | |
| Product size | 180 x 28 x 64mm (including the short probe) | 168 x 28 x 64mm |
| Product weight | About 191g (including the short probe) | About 364g (including the short probe) |

CE UK CA RoHS

## 2 in 1 Thermometer

UT320T is a thermometer that combines infrared sensor and collapsible probe.Infrared measurement is used to quickly scan the surface temperature of an object and probe measurement can accurately measure the internal temperature.

**2m** 2m drop proof

**IP54** IP54

ENVIRONMENTAL TESTERS

| Model | UT320T | | |
|---|---|---|---|
| **Language** | **EN, FR, DE, IT, ES, SV, PL, CZ** | | |
| Infrared measurement | Measuring range | -40°C~300°C (-40°F~572°F) | |
| | Temperature | Range | Accuracy |
| | | -40°C≤t≤0°C: | ±(1.5+0.1×|t|)°C |
| | | 0°C<t≤300°C: | ±2.0°C or ±0.02×t°C whichever is greater |
| | Distance to spot ratio (D: S) | 8:1 | |
| | Emissivity | Adjustable (0.1~1.0) | |
| | Response time | ≤500ms (95% of reading) | |
| | Laser | Class 2, single laser, power<1mW, wavelength 650±20nm | |
| | Operating time | About 30h (laser and backlight on) | |
| Probe measurement | Measuring range | -40°C~300°C (-40°F~572°F) | |
| | Accuracy | Range | Accuracy |
| | | -40°C≤t<0°C: | ±2.0°C |
| | | 0°C<t≤300°C: | ±1.0°C or ±0.01×t°C whichever is greater |
| | Probe type | NTC | |
| | Minimum measuring depth | 12.7mm | |
| | Display size | 18 x 28mm | |
| | Operating time | About 180h (backlight on) | |
| Operating temperature | 0°C~50°C (32°F~122°F) | | |
| Storage temperature | -20°C~60°C (-4°F~140°F) | | |
| Operating humidity | <90%Rh (non-condensing) | | |
| Auto power off time | 10min | | |
| Data hold | √ | | |
| Lock measurement | √ | | |
| Unit conversion (°C/°F) | √ | | |
| Max/Min/Difference | √ | | |

180°

# UT381A  NEW!
## Illuminance Meter

CE  UKCA  RoHS

UT381A is a safe and reliable digit light meter with wide range measurement. This meter measure light intensity and display results in lux or Fc. It is widely used in lighting applications, laboratory, office, street lights construction, commercial venue and others.

| Features | |
|---|---|
| Wide range | Probe of integrated, split and rotatable design |
| Data storage | MAX/MIN/AVG |
| Bluetooth APP | Real time display |

| Model | UT381A | |
|---|---|---|
| Language | EN, FR, DE, IT, ES, SV, PL, CZ | |
| Range | 0~400000 lx | |
| Resolution | 0~99.99 lx (99.99 fc) | 0.01lx (0.01 fc) |
| | 100~999.9 lx (999.9 fc) | 0.1 lx (0.1fc) |
| | 1000~400000 lx (37160 fc) | 1 lx (1fc) |
| Accuracy | ±3% calibration as per standard light source when in 2856K. ±6% calibration as per other visual light source. | |
| Unit switch | lx, fc, 1fc=10.764 lx | |
| Auto range switch | √ | |
| MAX/MIN/AVG | √ | |
| Data hold | √ | |
| Color correction coefficient (CCF) | √ | |
| Backlight | √ | |
| Bluetooth APP | √ | |
| Data record | 99 sets | |
| Record Interval | 1~59 seconds | |
| Measuring methods of probe | Integrated (rotatable), split design | |
| Real-time | Time is automatically updated with manual setting or phone APP connection. | |
| Over-range Indication | OL display | |
| Low battery Indication | √ | |
| Auto power off | √ | |
| Battery life | Over 100 hours (Alkaline batteries, Bluetooth and Backlight is off.) | |
| Working temperature and humidity | -10°C~50°C, <90%Rh (non-condensing) | |
| Storage temperature and humidity | -20°C~70°C, <80%Rh (non-condensing) | |

| Characteristic | |
|---|---|
| Power | AAA x 3 |
| Display size | 36 x 49mm |
| Product size | 235 x 64.5 x 39.8mm |
| Standard individual packing | Gift box |

# UT315A
## Vibration Testers

UT315A handheld vibration testers can measure displacement, velocity, and acceleration of rotating and reciprocating machinery. Technicians can use these to monitor equipment status and ensure normal operation.

UT315A

| Specifications | UT315A |
|---|---|
| Acceleration (O-P) | 0.1~199.9m/s²; Frequency response: 10Hz-10kHz Accuracy: ±(5%+0.2m/s²) |
| Velocity (RMS) | 0.01~19.99cm/s; Frequency response: 10Hz~1kHz Accuracy: ±(5%+0.02cm/s) |
| Displacement (P-P) | 0.001~1.999mm; Frequency response: 10Hz~500Hz Accuracy: ±(5%+0.002mm) |

| Features |
|---|
| Data hold |
| Low battery indication |
| Auto power off |
| Display count: 2000 |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 9V battery (6F22 ) |
| Product size | UT312: 185 x 68 x 30mm; UT315A: 166 x 80 x 30mm |
| Product net weight | UT312: 230g; UT315A: 395g |
| Standard individual packing | Gift box, tool box |
| Standard quantity per carton | UT312: 5pcs; UT315A: 1pc |
| Standard carton measurement | UT312: 375 x 307 x 246mm; UT315A: 305 x 240 x 85mm |
| Standard carton gross weight | UT312: 5.8kg; UT315A: About 1.2kg |

# UT320 SERIES
## Mini Contact Type Thermometers

CE  UK CA

UT320A and UT320D are single and dual channel contact type thermometers respectively. These highly accurate thermometers have a wide temperature range. UT320D can also calculate the temperature difference of its two channels. UT320 can be used with any K or J temperature probe.

UT320D

| Specifications | Range | UT320A | UT320D |
|---|---|---|---|
| Temperature measurement (K) | -50°C~1300°C | ±(0.5%+1) | ±(0.5%+1) |
| Temperature measurement (J) | -50°C~1200°C | ±(0.5%+1) | ±(0.5%+1) |
| Display mode | | Single | Dual |
| Difference measurement (T1-T2) | | | √ |
| Operating temperature | 0°C~40°C | | |
| Operating humidity | ≤80%RH | | |

| Features | |
|---|---|
| Auto power off | MAX/MIN/AVG |
| Low battery indication | Mode selection (K/J) |
| Data hold | Backlight |
| °C/°F selection | 1m drop proof |

| Characteristics | |
|---|---|
| Standard accessories | K-type temperature probe, batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 37.4 x 36.4mm |
| Product size | 120 x 53 x 28mm |
| Product net weight | 60g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 332 x 225 x 200mm |
| Standard carton gross weight | 3.4kg |

# UT325

## Contact Type Thermometer

UT325 contact type thermometer provide fast, accurate, and precise temperature measurement with thermocouple temperature probes. Users can select single or dual input, record, and analyze data through PC software. UT325 can be used with a variety of temperature probes, satisfying multiple applications.

UT325

| Specifications | | Range | Accuracy |
|---|---|---|---|
| Single or dual input | | Dual | |
| Temperature probe type | Type K | -200°C~1372°C (-328°F~2501°F) | ±(0.2%+0.6) |
| | Type J | -210°C~1200°C (-346°F~2192°F) | ±(0.2%+0.6) |
| | Type T | -250°C~400°C (-418°F~752°F) | ±(0.2%+0.6) |
| | Type E | -150°C~1000°C (-238°F~1832°F) | ±(0.2%+0.6) |
| | Type R | 0°C~1767°C (32°F~3212°F) | ±(0.2%+2) |
| | Type S | 0°C~1767°C (32°F~3212°F) | ±(0.2%+2) |
| | Type N | -200°C~1300°C (-328°F~2372°F) | ±(0.2%+1.5) |
| Resolution | | 0.1°C (When value>999.9°C: 1°C) | |
| Data storage | | 100 | |
| High/low alarm | | √ | |
| High/low signal output | | √ | |

| Features | |
|---|---|
| °C/°F/K selection | MAX/MIN/AVG mode |
| Data hold | USB interface |
| Auto power off | LCD backlight alarm |
| Low battery indication | Auto calibration |

| Characteristics | |
|---|---|
| Standard accessories | Battery, USB interface cable, K-type temperature probe, English manual |
| Power | USB or 9V battery (6F22) |
| Display | 30 x 32mm |
| Product size | 175 x 85 x 30mm |
| Product net weight | 270g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 405 x 290 x 165mm |
| Standard carton gross weight | 4.3kg |

# UT330+ SERIES
## Temperature Humidity Meters

**UT330+ series meters measure temperature and humidity with low power consumption and high precision. The measured data can be saved and exported to PC software for further analysis. These meters can be used in factories, food, health, environmental protection, and other fields.**

UT332+

| Specifications | Range | UT331+ | UT332+ |
|---|---|---|---|
| Temperature | -20°C~70°C | ±0.5°C | ±0.3°C |
| Resolution | 0.1°C | √ | √ |
| Humidity | 0%RH~100%RH | ±3%RH | ±2%RH |
| Resolution | 0.1%RH | √ | √ |
| Data storage | | 299 | 999 |

| Features | |
|---|---|
| °C/°F selection | Auto power off |
| Response time: around 1 second | Data hold/data recall |
| Humidity offset settings | MAX/MIN |
| Temperature offset settings | Auto record time setup |
| Dew point offset settings | LCD backlight |
| Wet-bulb temperature offset settings | USB interface for data and power |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, USB interface cable, English manual |
| Power | 1.5V battery (R03) x 4 |
| Display | 26.5 x 35.5 mm |
| Product size | 185 x 54.8 x 33.8mm |
| Product net weight | 130g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 280 x 275 x 230mm |
| Standard carton gross weight | 3.7kg |

# UT337A
## CO Meter

UT337A is a portable meter for detecting carbon monoxide gas. It can measure a wide range of CO concentration with short response time. Users can set up both audio and visual alarm. UT337A can be used in homes, restaurants, indoor parking lots, heating facilities, office buildings, and any other locations where combustion takes place.



UT337A

**ENVIRONMENTAL TESTERS**

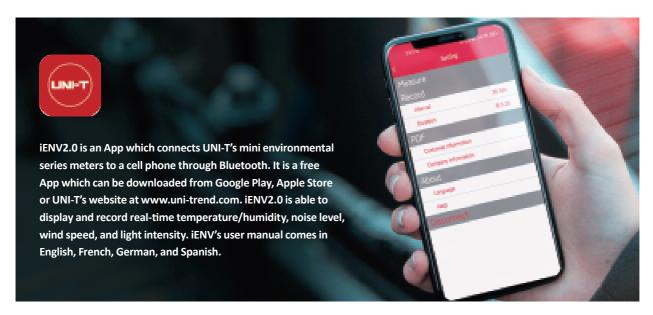| Specifications | Range | |
|---|---|---|
| CO range | 0~1000ppm | |
| CO accuracy | 20±5°C | ±5% or 5ppm (whichever is greater) |
| | 0°C~+40°C | ±10% or 5ppm (whichever is greater) |
| | +40°C~+50°C | ±10% or 10ppm (whichever is greater) |
| CO resolution | 1ppm | |
| Response time | <60s (90% readouts) | |
| Sensor type | Electrochemical | |
| Sampling method | Diffusion | |

| Features | |
|---|---|
| Self-calibrated sensor | Display current CO concentration and Max concentration at the same time |
| Data hold | Calibration function, adjustable zero point for temperature compensation |
| LCD backlight | High/low audio and visual alarm |
| Auto power off | °C/°F selectable |

| Characteristics | |
|---|---|
| Standard accessories | Batteries |
| Product size | 197 x 54.8 x 33.8mm |
| Product net weight | 140g |
| Standard individual packing | Gift box, English manual |
| Standard quantity per carton | 60pcs |
| Standard carton measurement | 565mm x 430mm x 235mm (0.057CBM per standard carton) |
| Standard carton gross weight | 15.6kg |

# IENV2.0
## Bluetooth APP

iENV2.0 is an App which connects UNI-T's mini environmental series meters to a cell phone through Bluetooth. It is a free App which can be downloaded from Google Play, Apple Store or UNI-T's website at www.uni-trend.com. iENV2.0 is able to display and record real-time temperature/humidity, noise level, wind speed, and light intensity. iENV's user manual comes in English, French, German, and Spanish.

### Main features
1. Wireless data transfer through Bluetooth
2. Real-time data and trends display
3. Real-time/historical/off-line data and trends recall. Data export in csv, pdf, or graphical format files that can be sent through E-mail
4. Attach pictures taken with phone into data reports
5. Allows user and company info to be filled in with reports and able to send reports through email
6. Bluetooth connectivity distance is roughly 10 meters in open space

Real-time display/record

Bluetooth 5.0

Remote control

Supported models:
UT333BT, UT353BT, UT363BT, UT383BT, UT381A, UT325F, UT372D

### User
● Email PDF/excel report
● Offline data export
● Alert

Mini Environmental BT Series

# UT333/UT333BT
## Mini Temperature Humidity Meters

**UT333/UT333BT temperature humidity meters can measure, process data, and display results on LCD. UT333BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and data export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.**

(UT333BT)    (UT333BT)

UT333BT

**ENVIRONMENTAL TESTERS**

| Specifications | UT333 | UT333BT |
|---|---|---|
| Temperature range | -10°C~60°C/14°F~140°F | -10°C~60°C/14°F~140°F |
| Temperature accuracy | ±1°C/±2°F | ±1°C/±2°F |
| Temperature resolution | 0.1°C/0.2°F | 0.1°C/0.2°F |
| Humidity range | 0%RH~100%RH | 0%RH~100%RH |
| Humidity accuracy | ±5%RH | ±5%RH |
| Humidity resolution | 0.1%RH | 0.1%RH |
| Sampling rate | 1/s | 1/s |
| Bluetooth APP | | √ |
| Overload indication | √ | √ |
| Auto power off | 5 min | 5 min |
| Low battery indication | 3V~3.5V | 3V~3.5V |

| Features | |
|---|---|
| MAX/MIN | °C/°F selection |
| Data hold | LCD backlight |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 26mm |
| Product size | 155 x 50 x 28mm |
| Product net weight | 102g |
| Standard individual packing | Blister |
| Standard quantity per carton | UT333: 40pcs; UT333BT: 20pcs |
| Standard carton measurement | UT333: 505 x 330 x 280mm; UT333BT: 332 x 262 x 290mm |
| Standard carton gross weight | UT333: 8kg; UT333BT: 4.2kg |

# UT330 SERIES
## USB Datalogger

The USB temperature and humidity data logger has the characteristics of high accuracy, large storage capacity, auto save, USB data transmission, time display and PDF export. It can meet the requirements of various measurements and long-term temperature and humidity recording, and can be used in food processing, cold chain transportation, warehousing and other fields.

UT330T          UT330TH          UT330THC

| Specifications | | UT330T | UT330TH | UT330THC |
|---|---|---|---|---|
| | Range | Accuracy | Accuracy | Accuracy |
| Temperature (°C) | -30.0°C~-20.1°C | ±0.8°C | | |
| | -20.0°C~-40.0°C | ±0.4°C | ±0.4°C | ±0.4°C |
| | 40.1°C~70.0°C | ±0.8°C | | |
| Humidity (%RH) | 0-99.9%RH | | ±2.5%RH | ±2.5%RH |
| IP rating | | IP65 | | |
| Resolution | | 0.1°C | Temperature: 0.1°C, humidity: 0.1%RH | Temperature: 0.1°C, humidity: 0.1%RH |

| Features | |
|---|---|
| High accuracy | Automatically generate reports after connecting to PC |
| 64,000 groups of data storage | IP65 dust/water protection (UT330T) |
| Circulatory logging function | Adjustable logging interval |
| °C/°F conversion | LED alarm |
| Date and time display | Mobile App (UT330THC) |

| Characteristics | |
|---|---|
| Standard accessories | Button cell, screw, rubber plug |
| Power | Button cell CR2032 |
| Product size | UT330T: 38 x 96 x 14mm, UT330TH/UT330THC: 38 x 105 x 14mm |
| Standard individual packing | Blister, color card, user manual, download guide |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | UT330T: 410 x 250 x 220mm |
| Standard carton gross weight | UT330T: 4kg |

# UT333S
## Digital Temperature Humidity Meter

UT333S is a stable, safe and reliable mini digital temperature humidity meter. With split type design, it is convenient to measure the temperature accurately in different environments. It is widely used in grain storage and transportation, material management, forestry and animal husbandry, healthcare, education, and home. The split type design is perfect for monitoring hard to reach places and small ventilation ducts.

UT333S

**ENVIRONMENTAL TESTERS**

| Specifications | Range | Resolution | Accuracy |
|---|---|---|---|
| Temperature | -10°C~60°C/14°F~140°F | 0.1°C/0.2°F | ±1°C/±2°F |
| Humidity | 0%RH~100%RH | 0.1%RH | ±5% |

| Features | |
|---|---|
| °C/°F | Data hold |
| MAX/MIN | Overload alarm |
| Backlight | Auto power off |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 35mm |
| Product size | 110 x 53 x 26mm |
| Product net weight | 310g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 480 x 300 x 360mm |
| Standard carton gross weight | 6.7kg |

# UT343A
## Coating Thickness Gauge

CE  UK CA

UT343A is used to measure the thickness of plated and coated sheets on ferrous/non-ferrous metal. It can measure coating thickness up to 1750μm. Applications include: manufacturing industry, metal-processing industry, chemical industry, commodity inspection, laboratory, workshop and outdoor.

UT343A

| Specifications | Range |
|---|---|
| Measuring range | 0~1750μm |
| Accuracy | ±(3%H+1)μm |
| Measurement methods | Single/continuous |
| Measurement mode | MAX/MIN/AVG |
| Metal type | Ferrous/ non-ferrous |

| Features | |
|---|---|
| Display type | EBTN display |
| LCD brightness control | √ |
| Rotatable screen | √ |
| Unit conversion | μm/mil |
| Rotatable screen | √ |
| LED alarm | √ |
| Data storage | 199 sets |
| Auto power off | √ |
| Low battery indication | √ |

| Characteristics | |
|---|---|
| Power | 1.5V battery (LR03) x 2 |
| Product color | Red and grey |
| Product net weight | About 111g |
| Product size | 117mm x 53mm x 37mm |
| Standard accessories | Ferrous substrate, Non-ferrous substrate |
| Standard individual packing | Gift box, English manual |

CE UK CA

# UT343D/UT343E
## Coating Thickness Gauge

UT343D/UT343E coating thickness gauge can measure coating thickness on ferrous and non-ferrous materials. These device are designed with a unique quick test feature, which allows users to set thickness range and using a 3-color LED and audio alarm to quickly determine if coating being tested falls within the preset range, greatly increasing work efficiency.and the data can be analyzed through Bluetooth APP and PC software of mobile phones,  can be widely used in manufacturing, metal processing, chemical industry, commodity inspection and other detection areas.

| Features | |
|---|---|
| Auto rotatable scree | Conductive coating measurement (like chromium, zinc, tin) |
| Durable probe | Voice broadcast (UT343E only) |
| Automobile mode | Multiple measurement modes |
| Tri-color LED alarm | |

UT343D          UT343E

| Specifications | UT343D | UT343E |
|---|---|---|
| Measurement range | 0~1250µm | 0~2000µm (0~78.7mil) |
| Accuracy | ±(3%+1)µm | ±(2%+2)µm |
| Resolution | 0.1µm (0~99.9µm) 1µm (100~1250µm) | 0.1µm (0~99.9µm) 1µm (100~2000µm) |
| Data storage | 500 sets | 3300 sets |
| Application | Measuring Non conductive coating of FE or NFE | Measuring Non conductive coating of FE or NFE and conductive coating of FE |
| Measurement method | Single/continuous | |
| Display screen | 2''color TFT screen | |
| Metal type | Ferrous/non-ferrous | |
| PC software analysis | √ | |
| Probe measuring force | 0.3~1.5N | |
| Auto rotatable screen | √ | |
| Unit conversion | µm/mil | |
| LED /Audio alarm | √ | |
| Statistical measurement | Max/Min/Avg | |
| Matrix identification modes | Auto/manual | |
| Flashlight | √ | |
| LCD brightness control | √ | |
| Auto power off | 5 minutes | |
| Low battery indication | √ | |
| Bluetooth and App function | | √ |
| Power supply | 1.5V AA battery x2 | 3.7V 1300mAh Lithium battery |

| Characteristics | |
|---|---|
| Standard accessories | Micro USB interface cable, calibration pieces, batteries, English manual |
| Power | 3V battery (R03) x 2 |
| Display | 48 x 36mm |
| Product size | UT343D: 153.5 x 64.5 x 41mm; UT343E: 152 x 65 x 35mm |
| Product net weight | UT343D: 175g; UT343E: 180g |
| Standard individual packing | Gift Box, Carrying Bag, Manual |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 450 x 325 x 255mm |
| Standard carton gross weight | UT343D: 5.9kg; UT343E: 5.6kg |

# UT347A
## Leeb Hardness Tester

UT347A Leeb HardnessTester features high accuracy, small size and easy operation. It supports thermal printing and is especially suitable for field hardness testing of large equipment such as roller turboshaft, pressure vessel and turbine set. It is widely used in petrochemical, electric power, automobile, shipbuilding, machinery manufacturing and other industries.

UT347A

Statistic

MultiMode

LinecMode

HistoMode

StrengthMode

| Features |
|---|
| 6 hardness scales (HL, HB, HRC, HRB, HV, HS) for real-time measurement |
| 7 optional impact devices |
| Automatic identification without calibration when replacing impact device |
| 4 measurement modes: statistical, multi-unit, line chart, histogram |
| Camera: 640 x 480 pixels |
| Mobile phone Bluetooth APP and PC software analysis data |
| Support thermal printing |
| Automatic alarm when the upper and lower limits are exceeded |
| Tri-color LED indication and LED flashlight |

| Functions | Impact device type | Standard Richter block hardness value | Resolution | Error value | Indication repeatability | Instructions |
|---|---|---|---|---|---|---|
| Hardness measurement | D | 790±40HLD <br> 530±40HLD | 1HLD | ±6HLD <br> ±10HLD | 6HLD <br> 10HLD | Standard hardness blocks: <br> 1. Standard type-D Richter hardness blocks grade A, uniformity ±1HLD; <br> 2. Standard type-G Richter hardness blocks, grade A, uniformity ±1HLG; |
| | DC | 790±40HLDC <br> 530±40HLDC | 1HLDC | ±6HLDC <br> ±10HLDC | 6HLDC <br> 10HLDC | |
| | DL | 894±40HLDL <br> 736±40HLDL | 1HLDL | ±12HLDL | 12HLDL | |
| | D+15 | 795±40HLD+15 <br> 544±40HLD+15 | 1HLD+15 | ±12HLD+15 | 12HLD+15 | |
| | G | 590±40HLG <br> 500±40HLG | 1HLG | ±12HLG | 12HLG | |
| | E | 755±40HLE <br> 508±40HLE | 1HLE | ±12HLE | 12HLE | |
| | C | 851±40HLC <br> 590±40HLC | 1HLC | ±12HLC | 12HLC | |
| Measuring range | | 170-960 HLD | | | | |
| Display | | 2.8-inch 320 x 240 graphic dot matrix color TFT screen. | | | | |
| Camera | | Pixels: 640 x 480 | | | | |
| Material selection | | Steel and cast steel, alloy tool steel, stainless steel, forged steel, cast aluminum alloy, copper zinc alloy, copper tin alloy, gray cast iron, nodular cast iron, pure copper | | | | |
| Hardness scale | | HL, HB, HRC, HRB, HV, HS | | | | |
| Strength unit | | σb (tensile strength) | | | | |
| Impact direction | | 0°, 45°, 90°, 135° and 180° | | | | |
| Measurement modes | | Statistical, multi-unit, line chart, histogram | | | | |
| Alarm | | Red, green, yellow LED | | | | |
| Statistical measurement | | Max/Min/Avg | | | | |
| Thermal printing | | The width of thermal printing paper is 57mm | | | | |
| Data storage | | 900groups | | | | |
| Voice prompt | | √ | | | | |
| Bluetooth APP function | | √ | | | | |
| USB communication | | √ | | | | |
| PC analysis software | | √ | | | | |
| Low battery indication | | √ | | | | |
| Auto power off | | 1/5/10/30 minutes or cancel | | | | |
| External power source | | Power adapter requirements: DC5V 2A Type-C connector | | | | |
| Charging time | | 2~4h | | | | |
| Operating temperature | | 0~40℃ ≤80%RH | | | | |
| Storage temperature | | 10~50℃ ≤75%RH | | | | |
| Drop test | | 1m | | | | |

| Characteristics | |
|---|---|
| Standard accessories | Standard hardness block, USB cable, thermal printing paper |
| Power | 3.7V 2500mAh lithium battery |
| Display | 2.8-inch |
| Product size | 95 x 198 x 70mm |
| Product net weight | 5.5kg |
| Standard individual packing | Gift box, tool box, user manual |
| Standard quantity per carton | 1pc |
| Standard carton measurement | 450 x 170 x 370mm |
| Standard carton gross weight | 6.0kg |

ENVIRONMENTAL TESTERS

# UT352
## Sound Level Meter

UT352 sound level meter can measure noise level and output results in dB. A or C weighted modes can be selected depending on the application. UT352 consume very little power and can continuously work up to 20 hours. They are suitable for industrial and environmental sound level measurements.

| Specifications | Range | UT352 |
|---|---|---|
| Range | 30~130dB | |
| Accuracy | ±1.5dB | |
| Frequency | 31.5Hz~8000Hz | |
| Frequency weighting | A&C | |
| Sampling rate (Fast) | 8 times/s | |
| Sampling rate (Slow) | 1 time/s | |
| Data storage | 63 | |
| Analog outputs (AC) | 0.707Vrms full scale; Output impedance: around 600Ω | |
| Analog outputs (DC) | 2Vrms full scale; 10mV/dB; Output impedance: around 100Ω | |

| Features |
|---|
| Powered by batteries or external power source |
| Data hold |
| LCD backlight |
| A (ear)/C (machine) weighted modes |
| Auto power off (cancelable) |
| 63 sets of data storage |
| AC/DC analog signal output |
| Simulated analog bar |
| Manual/auto range selectable |
| Analog bar graph: 30~130dB |
| Low battery indication: ≤4.8V |
| MAX/MIN |
| High/low alarm |

| Characteristics | |
|---|---|
| Standard accessories | Windscreen, leather box, English manual |
| Power | 1.5V battery (LR6) x 4 |
| Display | 53 x 41mm |
| Product size | 273 x 70 x 39mm |
| Product net weight | 330g |
| Standard individual packing | Gift Box |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 670 x 415 x 120mm |
| Standard carton gross weight | 7.3kg |

UT352

# UT353/UT353BT
## Mini Sound Level Meters

**UT353/UT353BT mini digital sound level meters measure noise and display results on LCD. These meters can constantly monitor noise level. UT353BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.**

(UT353BT)  (UT353BT)

UT353BT

**ENVIRONMENTAL TESTERS**

| Specifications | UT353 | UT353BT |
|---|---|---|
| Noise (A weighted) | 30~130dB | 30~130dB |
| Accuracy | ±1.5dB | ±1.5dB |
| Resolution | 0.1dB | 0.1dB |
| Sampling rate | Fast: 125ms; Slow: 1000ms | Fast: 125ms; Slow: 1000ms |
| Frequency range | 31.5Hz~8kHz | 31.5Hz~8kHz |
| Bluetooth APP | | √ |

| Features | |
|---|---|
| MAX/MIN | Data hold |
| LCD backlight | Auto power off |
| Low battery indication | Adjustable sampling rate |
| 1/2 inch condenser microphone | Overload indication |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, windscreen, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 26mm |
| Product size | 150 x 52 x 27mm |
| Product net weight | 116g |
| Standard individual packing | Blister |
| Standard quantity per carton | UT353: 40pcs; UT353BT: 20pcs |
| Standard carton measurement | UT353: 505 x 330 x 280mm; UT353BT: 367 x 262 x 290mm |
| Standard carton gross weight | UT353: 8.42kg; UT353BT: 4.2kg |
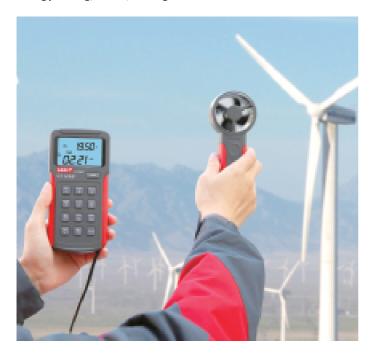
# UT360 SERIES
## Anemometers

UT360 series anemometers can measure temperature, wind speed, and wind count. These meters can be used in energy saving, HVAC, fishing and other industries that use exhaust or ventilation systems.

UT362

| Specifications | Range | UT361 | UT362 |
|---|---|---|---|
| Wind speed measurement | 2m/s~10m/s | ±(3%+0.5) | ±(3%+0.5) |
| | 10m/s~30m/s | ±(3%+0.8) | ±(3%+0.8) |
| Wind count measurement (CMM) | 0.001~9999 x 100 | | |
| Wind count measurement (CFM) | 0.001~9999 x 100 | | |
| Temperature measurement | 0°C~40°C (32°F~104°F) | ±3°C (±4°F) | ±3°C (±4°F) |
| Display count | | 10000 | 10000 |
| Data storage | | 2044 | 2044 |
| USB interface | | | √ |

| Features | |
|---|---|
| Selectable units | MAX/MIN mode |
| LCD backlight/data hold | Auto power off |
| Low battery indication: ≤7.2V | Auto record time setup |
| Wind speed display: Display "VEL" | Wind count display: Display "FLOW" |

| Characteristics | |
|---|---|
| Standard accessories | Battery, USB interface cable (UT362), English manual |
| Power | 9V battery (6F22) |
| Display | 57 x 37mm |
| Product size | 162 x 78 x 30mm |
| Product net weight | 375g |
| Standard individual packing | Gift box, carrying bag |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 460 x 335 x 210mm |
| Standard carton gross weight | 6.8kg |
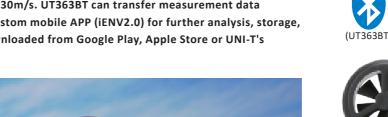
# UT363/UT363BT
## Mini Anemometers

CE | UK CA

UT363/UT363BT are mini wind speed and temperature meters. UT363 and UT363BT can measure wind speeds up to 30m/s. UT363BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.

(UT363BT)    (UT363BT)

UT363BT

| Specifications | UT363 | UT363BT |
|---|---|---|
| Wind speed | 0~30m/s | 0~30m/s |
| Wind speed accuracy | ±(5%+0.5) | ±(5%+0.5) |
| Wind speed resolution | 0.1m/s | 0.1m/s |
| Temperature | -10~50℃/14~122°F | -10~50℃/14~122°F |
| Temperature accuracy | ±2℃/±4°F | ±2℃/±4°F |
| Temperature resolution | 0.1℃/0.2°F | 0.1℃/0.2°F |
| Wind scale | Level 0~12 | Level 0~12 |
| Wind scale accuracy | ±1 | ±1 |
| Sampling rate | 0.5s | 0.5s |
| Bluetooth APP | | √ |

| Features | |
|---|---|
| MAX/AVG | Data hold |
| LCD backlight | Auto power off |
| Overload indication | Low battery indication |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 26mm |
| Product size | 160 x 50 x 28mm |
| Product net weight | 118g |
| Standard individual packing | Blister |
| Standard quantity per carton | UT363: 40pcs; UT363BT: 20pcs |
| Standard carton measurement | UT363: 505 x 330 x 280mm; UT363BT: 332 x 262 x 290mm |
| Standard carton gross weight | UT363: 8.42kg; UT363BT: 4.2kg |

# UT363S
## Digital Anemometer

UT363S is a stable, safe and reliable split-type anemometer, featuring quick detection, low consumption and high accuracy. It can be widely used in mining, electrical, iron and steel, petrochemical, energy-saving, navigation, fan manufacturing, exhaust ventilation, sporting and more sectors.

UT363S

| Specifications | Range | Accuracy |
|---|---|---|
| Wind speed | 0.4~30m/s | ±(5%+0.5m/s) |
| | 1.4~108km/h | ±(5%+1.5km/h) |
| | 78~5905ft/min | ±(5%+100ft/min) |
| | 0.7~58knots | ±(5%+1knots) |
| | 0.8~67mph | ±(5%+1mph) |
| Temperature | -10~50℃/14~122°F | ±2℃/±4°F |
| Wind scale | 0~12 | ±1 |
| Sampling rate | 0.5s | |
| Units | m/s, km/h, ft/min, knots, mph, ℃/°F | |
| Working temperature | 0℃~40℃ | |

| Features | |
|---|---|
| Overload indication | Auto range/auto power off |
| Low battery indication | Data hold |
| MAX/MIN/AVG | Backlight |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 35 x 32mm |
| Product size | 120 x 53 x 43mm |
| Product net weight | 365g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 550 x 295 x 350mm |
| Standard carton gross weight | 7.2kg |

# UT366A
## Digital Manometer

**UT366A is an instrument for measuring gauge pressure and differential pressure. UT366A can measure P1/P2 pressure independently with LED indication. It can be widely used in industrial manufacturing, HVAC, plumbing and other industries. Combined with an optional pitot tube, UT366A can also measure wind speed.**

| Specifications | UT366A |
|---|---|
| Measurement range | Resolution |
| 0.00~±15.00 kPa | 0.01 kPa |
| 0.0~±150.0 mbar | 0.1 mbar |
| 0.000~±0.150 bar | 0.001 bar |
| 0.000~±2.175 psi | 0.001 psi |
| 0.0~±112.5 mmHg | 0.1 mmHg |
| 0.00~±60.29 inH$_2$O | 0.01 inH$_2$O |
| 0.000~±4.429 inHg | 0.001 inHg |
| 0.00~±34.80 ozin$^2$ | 0.01 ozin$^2$ |
| 0.000~±0.152 kgcm$^2$ | 0.001 kgcm$^2$ |
| 0.000~±5.026 ftH$_2$O | 0.001 ftH$_2$O |
| 0.0~±1531 mmH$_2$O | 1mmH$_2$O |
| 0.0~±150.0 hPa | 0.1 hPa |
| 0.0~19999.9 m/s | 0.1 m/s |
| 0~199999 fpm | 1 fpm |
| Accuracy | ±0.5% FS@25°C |
| Unit conversion | kPa, mbar, bar, psi, mmHg, inH$_2$O, inHg, ozin$^2$, kgcm$^2$, ftH$_2$O, mmH$_2$O, hPa, m/s (fpm) |
| Auto power off | 5 Minutes |
| Low battery indication | Support |
| LCD Type | FSTN |
| Backlight | White |
| Drop test | 1m |
| LED Indication | positive pressure: green light |
|  | negative pressure: red light |
| Operating temperature/humidity | 0~50°C ≤85%RH |
| storage temperature/humidity | -10~60°C ≤75%RH |

UT366A

| Characteristics | |
|---|---|
| Standard accessories | Battery, Hose, Carrying Bag, magnetic hook |
| Power | 3 x 1.5V (AAA) |
| Display | 31 x 32mm |
| Product size | 53 x 30 x 137.8mm |
| Standard individual packing | Gift Box, Carrying Bag, Manual |
| Standard quantity per carton | 10pcs |

ENVIRONMENTAL TESTERS

# UT370 SERIES
## Tachometers

UT370 series non-contact tachometers measure rotating speed of shaft or disk with a point laser and reflective tape (on the object being measured). These meters can output RPM or count readouts without interfering with the equipment in operation.

UT372

| Specifications | Range | UT371 | UT372 |
|---|---|---|---|
| RPM range | 10RPM~99999RPM | ±0.03 | ±0.03 |
| Counts | 0~99999<br>Max. input frequency: 10kHz; bandwidth: 5% | √ | √ |
| Target distance | 50mm~200mm | √ | √ |
| Display count | 100000 | √ | √ |
| USB interface | | | √ |

| Features | |
|---|---|
| Data hold | Low battery indication |
| Auto power off | MAX/MIN/AVG mode |

| Characteristics | |
|---|---|
| Standard accessories | Reflective tape, English manual |
| Power | 1.5V battery (LR6) x 4 |
| Display | 53 x 41mm |
| Product size | 184 x 56 x 34mm |
| Product net weight | 100g |
| Standard individual packing | Blister |
| Standard quantity per carton | 10pcs |
| Standard carton measurement | 425 x 295 x 180mm |
| Standard carton gross weight | 3.5kg |

# UT372D

## 2 in 1 Tachometer

**UT372D is a reliable and safe tachometer, which combines contact and non-contact measurement modes. It is mainly used to measure Revolutions Per Minute (RPM), frequency, surface velocity and length in the fields of motors, fans, automobiles, etc.**

| Shaft contact (internal cone) | Shaft contact (cone) | 6 inches wheel | 0.1m wheel |
| --- | --- | --- | --- |

| Specifications | | Range |
| --- | --- | --- |
| Non-contact (optical) measurement | Rotational velocity (RPM) | 1-99,999 |
| | Frequency (HZ) | 1-1,666 |
| | Count | 1-99,999 |
| Contact measurement | Rotational velocity (RPM) | 1-19,999 |
| | Frequency (HZ) | 1-333 |
| | Surface velocity | 0.1m wheel:<br>0.1-1,999m/min, 0.4-6,550ft/min, 4-78,700in/min<br>6"wheel:<br>0.15-1,524m/min, 0.5-5,000ft/min, 6-60,000in/min |
| | Length | 0-99999 (m/ft/in) |
| Accuracy | ±0.02% ±1 digit | |
| Measurement modes | Contact RPM/Non-contact (optical) RPM<br>Count /Frequency /Surface velocity/Length | |
| Contact measurement unit | m/min, ft/min, in/min, m, ft, in | |
| Length unit | m, foot, inch | |
| Statistical measurement | Max/Min/Last reading/Average | |
| Data storage | 10 groups | |
| Screen | FSTN, backlight, rotatable | |
| Operating temperature/humidity | 0°C~50°C; ≤80%RH | |
| Storage temperature | -20°C~60°C | |
| Drop test | 1m | |
| Auto power off | √ | |
| Measurement button | 2 | |

UT372D

| Characteristics | |
| --- | --- |
| Power | 3 x AAA batteries |
| Display | 36 x 49mm |
| Product size | 176 x 63 x 38mm |

**ENVIRONMENTAL TESTERS**

# UT373
## Mini Tachometer

UT373 is a reliable digital non-contact tachometer used to measure rotation speed of motors and other machines. This device is able to display results in RPM or revolution count. UT373 is able to safely measure rotational objects through a non-intrusive method.

UT373

| Specifications | Range | Resolution | Accuracy |
|---|---|---|---|
| RPM measurement | 10~99999RPM | 0.1 | ±(0.04%+2) |
| Counting measurement | 0~99999 counts | 1 | ±1 |
| Refresh rate | 1s to 7s (>120rpm for 1s) | | |
| Sensor type | Photodiode and laser tube | | |
| Target distance | 50mm~200mm | | |
| Measuring angle | ±30° from perpendicular | | |
| Drop proof | 1m | | |

| Features | |
|---|---|
| Auto range | Data hold |
| Auto power off | MAX/MIN |
| Low battery indication | Overload indication |
| Laser-on indication | LCD backlight |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, reflective tape, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 5-digit segment code; 99999 max display |
| Product size | 120 x 53 x 28.5mm |
| Product net weight | 85g (excluding battery) |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 272 x 225 x 220mm |
| Standard carton gross weight | 3kg |

# UT377A
## Mini Wood Moisture  Meter

**UT377A is a digital meter designed to measure the moisture content of wood, paper, plywood, and other wooden materials. This device classifies wood into four categories based on material density, and applies temperature compensation algorithm to ensure measurement accuracy. UT377A's miniature design, low power consumption, and high precision all make this a great product choice for measuring wood moisture content.**

UT377A

| Specifications | Range | Resolution | Accuracy |
|---|---|---|---|
| Wood moisture | 2~40% | 0.1% | ±2% |
| Refresh rate | 2 times/s | | |
| Operating temperature | 0°C~40°C | | |

| Features | |
|---|---|
| Auto range | MAX/MIN |
| Auto power off | Wood categories |
| Low battery indication | Backlight |
| Data hold | Ambient temperature correction |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03)  x 3 |
| Display | 35 x 32mm |
| Product size | 135 x 53 x 28mm |
| Product net weight | 130g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 272 x 225 x 215mm |
| Standard carton gross weight | 3.5kg |

# UT383/UT383BT
## Mini Light Meters

CE   UKCA

**UT383/UT383BT can effectively measure light intensity and display results in units of Lux or Fc. UT383BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store, or UNI-T's website by searching 'iENV2.0'.**

(UT383BT)   (UT383BT)

UT383BT

| Specifications | UT383 | UT383BT |
|---|---|---|
| Illuminance measurement (Lux) | 0~199,900Lux | 0~199,900Lux |
| Illuminance measurement (Fc) | 0~18,500Fc | 0~18,500Fc |
| Accuracy | 0~9999Lux | ±(4%rdg+8dgts) |
| | ≥10000Lux | ±(5%rdg+10dgts) |
| Resolution | 1Lux (0~9999Lux) | |
| | 10Lux (≥10,000Lux) | |
| | 100Lux (≥100,000Lux) | |
| | 1Fc (0~9999Fc); FC=Lux/10.76 | |
| | 10Fc (≥10,000Fc); FC=Lux/10.76 | |
| Sampling time | 0.5s | |
| Bluetooth APP | | √ |
| Tripod mounting hole | | √ |

| Features | | |
|---|---|---|
| MAX/MIN | Data hold | |
| LCD backlight | Auto power off | |
| Overload indication | Low battery indication | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 32 x 26mm |
| Product size | 160 x 50 x 28mm |
| Product net weight | 118g |
| Standard individual packing | Blister |
| Standard quantity per carton | UT383: 40pcs; UT383BT: 20pcs |
| Standard carton measurement | UT383: 505 x 330 x 280mm; UT383BT: 332 x 262 x 290mm |
| Standard carton gross weight | UT383: 8.42kg; UT383BT: 4.2kg |

# UT383S
## Digital Light Meter

**Applications:**
**Pubic settings,**
**light manufacturing,**
**photo studios,**
**interior renovation,**
**construction,**
**greenhouses.**

| Specifications | Range | Resolution | Accuracy |
|---|---|---|---|
| Illuminance | 0~199,900Lux | 1Lux (0~9999Lux) | ±(4%+8) |
| | | 10Lux (≥10,000Lux) | ±(5%+10) |
| | | 100Lux (≥100,000Lux) | ±(5%+10) |
| | | 0.1Fc (0~999.9Fc) | ±(4%+8) |
| | | 1Fc (≥1000Fc) | ±(5%+10) |
| | | 10Fc (≥10,000Fc) | ±(5%+10) |

| Features | |
|---|---|
| Split probe | Sampling time: 0.5s |
| Auto range | Lux/Fc selectable |
| Max/Min | Overload indication (LO/HI) |
| Data hold | Backlight |
| Auto power off | Low battery indication |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 3 |
| Display | 35 x 32mm |
| Product size | 110 x 53 x 26mm |
| Product net weight | 300g |
| Standard individual packing | Blister, gift box |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 560 x 300 x 335mm |
| Standard carton gross weight | 6.9kg |

# UT334A
## Radiation Dose Tester

UT334A is a handheld Radiation Dose Tester with high sensitive GM counter sensor, combined Beta(β), Gamma(γ), and X-ray radiation detection, it is widely used in home decoration, radiation processing enterprise, health and epidemic prevention, radiation therapy, nuclear laboratory, nuclear power plant, import and export inspection, building materials, petrochemical, geological survey, scrap steel, industrial nondestructive testing and other environments existing ionizing radiation, personal radiation dose supervision and protection occasions.

**Data storage (10 groups )** | **Portable** | **Audible and visual alarms** | **Li-ion battery**

UT334A

### Features

| | |
|---|---|
| TFT 2.0'' color screen | High sensitive GM counter tube |
| Two Monitoring Mode | Combined Beta(β), Gamma(γ), and X-ray radiation |
| Data Logger | Real-time, Average, and Cumulative dose display |
| Portable device | Audio and visual alarms |

### Specifications

| Specifications | Range |
|---|---|
| Detected rays | X, β and γ rays |
| Sensor | GM counter tube |
| Range | 0.05uSv-50mSv |
| Accuracy | -17%~+25% based on $^{137}CS\gamma$ |
| Charging interface | Type-C |
| Alarm response time | $t_d$ <10s |
| Alarm threshold accuracy | -17%~+25% |
| Alarm modes | Audible and visual alarms |
| Battery | 3.7V Li-ion 1800mAh |
| Battery duration | About 20 days (continuous measurement, particle sound off) |

### General Characteristics

| | |
|---|---|
| Product color | Red and grey |
| Product net weight | 127g |
| Product size | 120 x 65 x 25mm |
| Standard accessories | USB cable |
| Standard individual packing | Gift box, Manual, Carrying bag, Hand strap |
| Standard quantity per carton | 10pcs |
| Gross weight (one carton) | 3.7kg |

# UT345A
## Ultrasonic Thickness Gauge

**This product is an intelligent ultrasonic thickness gauge that adopts the latest high performance and low power consumption microprocessor technology. Based on the principle of ultrasonic measurement, it can measure the thickness and sound velocity of metal and other materials. It can detect the thinning of pipes and pressure vessels after corrosion, and can make accurate measurements of plates and machined parts. The gauge can be widely used in petroleum, chemical, metallurgy, shipbuilding, aviation, aerospace and other fields.**





UT345A

| Features | |
|---|---|
| 3.7V 2000mAh lithium battery | Auto calibration |
| 300 groups of data storage | High sensitive probe |
| Buzzer alarm | Multiple materials selection |

| Specifications | Range |
|---|---|
| Display | 2.4" LCD |
| Measurement range | 1.00~300.00mm |
| Sound velocity range | (1000~9999) m/s |
| Unit | mm/in |
| Accuracy | H<10mm, ±0.1mm; H≥10mm, ±(1%H+0.1)mm |
| Lower limit of pipe measurement | Φ20×3mm (steel) |
| Data storage | 300 groups, including material, sound velocity, unit, measured value, MAX, MIN and AVG of each group |
| Main functions | Single measurement, continuous measurement, alarm, sound velocity measurement, auto calibration |
| Charging specification | DC 5V 1A, Type-C interface |
| Operating time (full battery) | About 16h |
| Operating temperature and humidity | 0°C~40°C 10%RH~80%RH |
| Storage temperature and humidity | -10°C~50°C 10%RH~70%RH |

| General Characteristics | |
|---|---|
| Battery | Built-in lithium battery (3.7V 2000mAh) |
| Product net weight | 175g |
| Product size | 140 x 66 x 28.5mm |
| Standard accessories | Type-C charging cable, Probe |
| Standard individual packing | Gift box, English manual, Cloth case |
| Standard quantity per carton | 5pcs |
| Gross weight (one carton) | 3.09kg |
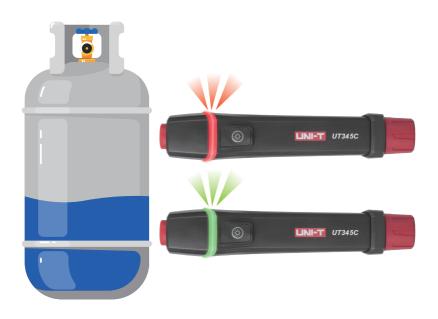
ENVIRONMENTAL TESTERS

# UT345C
## LPG Tank Level Checker

**UT345C is a portable LPG tank level checker adopting ultrasonic detection technology. This product can quickly determine how much gas is left in the tank by LED indication. It is easy to use, accurate and reliable.**

| Features |
|---|
| Pen-like design, compact and portable |
| Simple determination without additional accessories required |
| Red and green LED indication |
| Easy to measure |
| Come with a flashlight |

| Specifications | Instructions |
|---|---|
| Language | EN, FR, DE, IT, ES, SV, PL, CZ |
| Applicable gas tanks/bottles | Steel and aluminum standard propane or butane LPG (liquefied petroleum gas) storage tanks with 8-14 inches (approx. 200-350mm) in diameter |
| LED indication | Green: Liquid detected at this level<br>Red: No liquid<br>Green and red keep flashing: Measuring |
| Sound indication | √ |
| Measurement method | Press the probe 90 degrees vertically at different positions of the bottle to measure and then check the LED color |
| Operating temperature/humidity | -15~40°C ≤85%RH |
| Storage temperature | -10~60°C ≤75%RH |
| Drop test | 0.5m |

| General Characteristics | |
|---|---|
| Power | AAA battery x2 |
| Product color | Red and grey |
| Product size | 31.5 x 27 x 143mm |

# A12T/A13T
## Temperature Humidity Meter

ENVIRONMENTAL TESTERS

**A12T/A13T measures real-time temperature and humidity and displays readings on a large screen. It can be used for both indoor and outdoor measurements. A12T/A13T has alarm clock, 12/24 clock mode, hanging hole, and wall or table mount stand.**
**Applications: Offices, hotels, schools, factories, meeting rooms, pharmacies, warehouses, restaurants, greenhouses, nurseries, gardens, homes, shopping malls, museums, animal husbandry, and more.**

A12T

A13T

| Specifications | A12T | A13T |
|---|---|---|
| Temperature range (°C) | -10°C~50°C | |
| Temperature accuracy | ±1°C (0~40°C) | |
| Humidity range | 10%~99%RH | 20%~95%RH |
| Humidity accuracy | ±5%RH (40%~80%RH) | |
| °C/°F selection | | √ |
| Sampling time | 10s | 10s |
| MAX/MIN | √ | |
| Alarm clock/time display | √ | √ |
| Date/calendar | | √ |
| 12/24 hour modes | √ | √ |
| Comfort level | √ | |
| External probe | √ | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 1 |
| Display | 92.5 x 60mm |
| Product size | 130 x 22 x 78mm |
| Product net weight | 110g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 80pcs |
| Standard carton measurement | 400 x 330 x 290mm |
| Standard carton gross weight | 12.2kg |

# A25 SERIES
## PM2.5 Meters

**A25 series air quality meters are used to measure PM2.5 concentration. A25 series can be used in homes, offices, hotels, schools, factories, hospitals, restaurants, and other public places.**

| Features |
|---|
| Precise PM2.5 concentration based on pre-calibrated sensors |
| Temperature measurement (°C/°F) |
| Humidity measurement (A25D) |
| Emoticon display |
| LCD backlight and red backlight alarm |
| Battery status, auto power off |

A25M          A25D

| Specifications | Range | A25M | A25D |
|---|---|---|---|
| PM2.5 (ug/m³) | 0~100 | ±(10ug/m³+10dgts) | ±(10ug/m³+10dgts) |
| | 101~400 | ±(10%+30dgts) | ±(10%+30dgts) |
| | 401~500 | ±(10%+50dgts) | ±(10%+50dgts) |
| Formaldehyde (mg/m³) | 0~2 | | |
| Temperature | -10°C~50°C | For reference only | ±1°C |
| Humidity | 5%~99%RH | | ±5%RH@30%~80%RH |
| | | | ±8%RH@<30%RH, >80%RH |

| Characteristics | |
|---|---|
| Standard accessories | 1m micro USB cable, wall mount (A25M), English manual |
| Power | A25M: 520mAh Li-ion battery; A25D: 1500mAh Li-ion battery |
| Display | A25M: 35 x 35mm; A25D: 42 x 65mm |
| Product size | A25M: 64 x 60 x 28mm; A25D: 75 x 55 x 130mm |
| Product net weight | A25M: 85g; A25D: 230g |
| Standard individual packing | Gift box |
| Standard quantity per carton | A25M: 20pcs; A25D: 5pcs |
| Standard carton measurement | A25M: 325 x 215 x 210mm; A25D: 360 x 185 x 140mm |
| Standard carton gross weight | A25M: 4.5kg; A25D: 2.35kg |

# A37
## CO$_2$ Meter

A37 is used to detect CO$_2$ concentration in different environments. The LCD displays CO$_2$ concentration, temperature, humidity, and date/time together. Air quality is indicated with emoticons. When CO$_2$ concentration gets too high, audio and visual alarm will go off.



A37

| Specifications | Range | Resolution | Accuracy |
|---|---|---|---|
| Carbon dioxide | 400ppm~5000ppm | 1ppm | ±(5% + 50ppm) |
| Temperature | -10°C~50°C | 0.1°C | ±1°C |
| Relative humidity | 0%RH~99%RH | 1%RH | ±5%RH (10%RH~90%RH) at 25°C |
| ABC | Automatic baseline correction | | |
| Sensor type | NDIR | | |
| Operating temperature | 0°C~50°C, 0%RH~85%RH | | |
| Storage temperature | -20°C~60°C, 0%RH~95%RH | | |

| Features | |
|---|---|
| Audible and visual alarm | Low battery indication |
| 3.7V Li-ion battery | Auto power off |
| Date/time | Backlight |

| Characteristics | |
|---|---|
| Standard accessories | Micro USB cable, English manual |
| Power | 3.7V DC Li-ion battery/ Micro USB charging port |
| Display | 42 x 65mm |
| Product size | 75 x 55 x 130mm |
| Product net weight | 195g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 5pcs |
| Standard carton measurement | 360 x 185 x 140mm |
| Standard carton gross weight | 2.35kg |

ENVIRONMENTAL TESTERS

# A63
## 2 in1 Food Thermometer

A63 is a 2 in 1 food thermometer combines with infrared sensor and collapsible probe, The infrared mode can quickly scan the surface temperature of objects and the probe mode is used for measuring the internal temperature of food accurately. This product is suitable for food processing, food transport and storage, catering industry and other scenarios.

**HACCP**
HACCP inspection

**☑**
Collapsible probe

**180°**
The screen can be flipped 180°

**1m drop proof**

**IP65**
IP rating

**ΔT T1-T2**
Temperature difference

| Specifications | | | |
|---|---|---|---|
| Temperature measurement | Range | IR | -40°C~300°C (-40°F~572°F) |
| | | Probe | -50°C~300°C (-58.0°F~572°F) |
| | Accuracy | IR | -40°C≤ t ≤0°C: ±(1.5+0.1×\|t\|)°C<br>0°C< t ≤300°C: ±1.5°C or ±0.015×t°C (whichever is greater) |
| | | Probe | -50°C≤ t <-30°C: ±1.0°C<br>-30°C≤ t ≤100°C: ±0.5°C<br>100°C< t ≤300°C: ±0.01×t°C |
| Distance ratio (D:S) | 8:1 | | |
| Emissivity | 0.95 | | |
| Spectral response | 5μm~14μm | | |
| Repeatability | 1°C (2°F) or 1% (whichever is greater) | | |
| Display resolution | 0.1°C (0.1°F) | | |
| Unit conversion | °C/°F | | |
| Auto power off | √ | | |
| Low battery indication | √ | | |
| Data hold | √ | | |
| Laser point | Single laser, output <1 mW, class II, Wavelength: 650±20nm<br>Comply with EN 60825-1:2014 laser safety standard | | |
| Battery | AAA alkaline battery x 2 | | |
| Continuous operating time | >80h | | |
| LCD type | FSTN | | |

| Characteristics | |
|---|---|
| Standard accessories | Batteries |
| Power | AAA alkaline battery x 2 |
| Display | 33 x 39mm |
| Product size | 178 x 55 x 27.5mm |
| Product net weight | 180g |
| Standard individual packing | Blister, color card, user manual |
| Standard quantity per carton | 10pcs |

Food processing industry

Catering industry

Family or supermarket

Food transoprt and storage

# A61
## Digital Thermometer

A61 is an IP65 rated thermometer with FDA certified stainless steel probe. It is equipped with a protective shell to prevent accidental skin puncture and burning. With its portable pen-like design, clear backlight display, and auto power off functions, A61 is a useful temperature measurement tool for cooking, refrigeration, heating, food processing and other applications.

**LED alarm**

**Data hold**

**Pen-type design**

**MAX/MIN/ Real-time**

**IP65**

**Unit conversion**

ENVIRONMENTAL TESTERS

| Specifications | Range |
|---|---|
| Measurement range | -40°C~250°C (-40°F~482°F) |
| Accuracy | ±1°C (-20°C≤T<100°C); ±2°C (T≤20°C; T≥100°C) |
| | ±2°F (-4°F≤T<212°F); ±4°F (T≤4°F; T≥212°F) |
| Minimum measuring depth | 12mm |
| Sensor | NTC |
| Stabilization time | 20s |
| Resolution | 0.1°C (0.1°F) |
| Battery duration | 12h |
| Operating temperature | 0°C~40°C (32°C~104°C) |
| Storage temperature | -20°C~60°C (-4°C~140°C) |
| Operating humidity | <RH80% (Non condensable) |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 3V battery (CR1632) |
| Display | 26.6 x 10.6mm |
| Product size | 190 x 29.5 x 15.5mm |
| Product net weight | 50.8g |
| Standard individual packing | Blister |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 520 x 210 x 280mm |
| Standard carton gross weight | 5kg |

# SOCKET TESTERS

Socket testers are portable devices used for testing the wiring of power outlets. These testers are used widely in homes and commercial buildings. UNI-T's socket testers can speed up the testing process considerably and obtain reliable and accurate information socket status.

# UT07/08 SERIES
## Socket Testers/Receptacle Testers

UT07/08 series socket testers can check socket wiring errors. These tools are widely used in commercial and residential areas. The operation is easy and convenient, and it is a necessity for your daily life and house line inspection.



| Specifications | UT07A-UK | UT07A-EU | UT07B-EU |
|---|---|---|---|
| Operating voltage | 230V | | |
| Operating current | <18mA | | |
| Working frequency | 50Hz~60Hz | | |
| RCD | | | ~30mA |
| Indications | Correct | OK, leakage test passed | |
| | Ground missing | OK | |
| | Live/Ground inverted | Ground missing | |
| | Live/Neutral inverted | Live missing | |
| | Neutral missing | Neutral missing | |
| | | Live/Ground inverted | |
| | | Live/Ground inverted and ground missing | |


UT07A-UK


UT07A-EU


UT07B-EU

| Specifications | Range | UT08A | UT08B |
|---|---|---|---|
| Operating voltage | 110~125V AC | √ | √ |
| Operating power | 0.3W | √ | √ |
| Working frequency | 50~60Hz | √ | √ |
| GFCI | 6~9mA | | √ |
| Indications | Open ground | √ | √ |
| | Open neutral | √ | √ |
| | Open hot | √ | √ |
| | Hot/GND reverse | √ | √ |
| | Hot/NEU reverse | √ | √ |
| | Correct | √ | √ |


UT08B

# UT230B-EU
## Power Socket

**UT230B-EU power socket can be used to monitor operation status (voltage, current, time, power consumption, and energy cost) of electrical appliances. UT230B-EU is suitable for indoor, in locations such as homes, offices, schools, and other residential and commerical settings.**

UT230B-EU

| Specifications | Range | Accuracy |
|---|---|---|
| Voltage | 100V~260V | ±1% |
| Current | 0A~16A | ±1% |
| Frequency | 45Hz~65Hz | |
| Power | 1~3680W | ±1% |
| Power factor | 0~1 | ±2% |
| Energy consumption | 0~9999kWh | ±1% |
| Overload indication | >16A | |

| Features |
|---|
| Unit price of electricity: 0~99.99 ($/kWh) |
| Accumulative time: 0 minute~9999 days |
| Accumulative charge: 0~9999$ |
| $CO_2$ display: 0~9999kg |
| Power consumption: <0.4W |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 3V button battery |
| Display | 48 x 30.5mm |
| Product size | 130 x 65 x 37mm |
| Product net weight | 155g |
| Standard individual packing | Blister |
| Standard quantity per carton | 48pcs |
| Standard carton measurement | 475 x 460 x 395mm |
| Standard carton gross weight | 13.2kg |

# VOLTAGE DETECTORS

Non-contact voltage detectors can quickly detect live AC voltage. These handy devices are great for electricians to safely and quickly check the status of electrical wires.

The UT12 series includes single/dual mode (UT12S/UT12D) and two PRO models (UT12E/UT12M) designed with vibration and magnetic detection modes. These PRO models are IP67 rated, suitable for working in industrial environments.

# UT12 SERIES
## AC Voltage Detectors

UT12 series non-contact AC voltage detectors are widely used in the maintenance of low voltage equipments such as conductors, cables, sockets, and other electrical/electronics instruments. It is a very handy tool for electricians.

## Applications

**Low voltage mode:** Low-voltage motor (<90V), audio systems, arc welding machines, underground mining lighting, cables with thick insulation layer and other weak electromagnetic AC signals. **High voltage mode:** Urban electric supply and three-phase systems (90~1000V). For example, power distribution units, electrical panels, electrical appliances.

- Auto power off
- Buzzer
- AC voltage detection
- Vibration mode (UT12E)
- LED indication
- High/Low voltage mode (UT12D/E/M)
- Magnetic solenoid detection (UT12M)
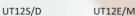
UT12S/D          UT12E/M

● Built-in flashlight

| Specifications | UT12S | UT12D | UT12E | UT12M |
|---|---|---|---|---|
| AC voltage (Low) | | 24V~1000V | 24V~1000V | 24V~1000V |
| AC voltage (High) | 90V~1000V | 90V~1000V | 90V~1000V | 90V~1000V |
| Frequency range | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Vibration mode | | | √ | |
| Magnetic solenoid detection | | | | √ |
| Double injection molding | | | √ | √ |
| Drop test | 1m | 1m | 2m | 2m |
| Overvoltage category | CAT IV 1000V | | | |

| Characteristics | |
|---|---|
| Standard accessories | Battery, English manual |
| Power | 1.5V battery (R03) x 2 |
| Product size | UT12D/UT12S: 150 x 18 x 23mm; UT12E/UT12M: 160.5 x 21.5 x 25mm |
| Product net weight | UT12D/UT12S: 50g; UT12E/UT12M: 72g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | UT12D/UT12S: 350 x 245 x 210mm; UT12E/UT12M: 415 x 245 x 235mm |
| Standard carton gross weight | UT12D/UT12S: About 3.6kg; UT12E/UT12M: About 3.8kg |

*Buzzer and sensing LED frequencies increase when detector gets closer to the test object

# UT18 SERIES
## Voltage and Continuity Testers

The UT18 series are designed for testing AC/DC voltage (UT18E: up to 1000V), three-phase voltage/phase sequence, continuity, and more. It is lightweight and the LED or LCD can clearly display the measurement results; it complies with CAT IV 600V, and the buzzer alarm function can remind users to maintain safe operation at all times, the UT18 series are handy electrician tool.

Applicable to: smelting, electronics, manufacturing, petroleum, electric power, chemical and other industries. Can also be used to solve complex problems in electronics, factory automation, power distribution, and electromechanical equipment.

| Features | |
|---|---|
| Phase rotation measurement | Voltage up to 1000V (AC/DC) (only 18E) |
| Flashlight | Audialbe and visuable indication |
| Over load protection | Continuity/RCD/Polarity test |

UT18D          UT18E

| Specifications | Range | UT18C | UT18D | UT18E |
|---|---|---|---|---|
| Voltage (AC/DC) | 6V | | 5V±1V | |
| | 12V | 8V±1V | 8V±1V | 8V±1V |
| | 24V | 18V±2V | 18V±2V | 18V±2V |
| | 50V | 38V±4V | 38V±4V | 38V±4V |
| | 120V | 94V±8V | 94V±8V | 94V±8V |
| | 230V | 180V±14V | 180V±14V | 180V±14V |
| | 400V | 325V±15V | 325V±15V | 325V±15V |
| | 690V | 562V±24V | 562V±24V | 562V±24V |
| | 1000V | | | 820V±30V |
| Phase rotation test | 100V AC~690V AC Frequency: 50Hz~60Hz | √ | √ | √ |
| Continuity test | Resistance: 0Ω~100kΩ Beeper and LED light indication | √ | √ | √ (0-60KΩ) |
| RCD test | Operating voltage: 230V (50Hz~400Hz) | √ | √ | √ |
| Polarity detection | Positive & Negative | √ | √ | √ |
| Self-inspection | All LED or LCD | √ | √ | √ |
| No power test | Operating voltage: 100~1000V | √ | | √ |
| LCD display (voltage) | 6V~690V | √ | √ | √ (1000V) |
| Voltage indication | | LED and LCD | LCD | LED and LCD |
| LCD display (Frequency) | 40Hz~400Hz | ±(3%+5) | ±(3%+5) | ±(3%+5) |
| Overvoltage category | | CAT III 690V, CAT IV 600V | CAT III 690V, CAT IV 600V | CAT III 1000V, CAT IV 600V |

| Characteristics | |
|---|---|
| Standard accessories | Batteries, English manual |
| Power | 1.5V battery (R03) x 2 |
| Display | UT18C: 31 x 20mm; UT18D: 73.5 x 35.5mm |
| Product size | 272 x 85 x 31mm |
| Product net weight | 280g |
| Standard individual packing | Blister |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | 415 x 380 x 365mm |
| Standard carton gross weight | 15.9kg |

# UT22B-EU
## Voltage Tester

CE  UKCA  RoHS

The UT22B-EU voltage tester is a simple to use tool for electricians and DIYers to measure AC/DC voltage. This voltage tester is IP54 rated, and designed to withstand a 2-meter drop. The great thing about this product is that it does not require any battery, its power is supplied by the voltage being tested! UT22B-EU can automatically distinguish between AC and DC voltage, indicated by the number of LED lights.

UT22B-EU

| Specifications | Range |
|---|---|
| **Voltage indications (AC/DC)** | |
| 12V | 6V~12V |
| 24V | 17V~24V |
| 50V | 35V~50V |
| 120V | 84V~120V |
| 230V | 161V~230V |
| 400V | 280V~400V |
| Frequency (AC) | 50/60Hz |
| Voltage indication | LED |
| Overvoltage category | CAT III 400V, IP54 |

| Features | |
|---|---|
| Automatically detect AC/DC voltage | Auto detection of AC/DC |
| Automatically indicate DC polarity (+/-) | Input protection |
| Hazardous voltage indicator when voltage >50V | |

| Characteristics | |
|---|---|
| Standard accessories | English manual |
| Power | None, powered by external source |
| Product size | 265 x 42 x 27mm |
| Product net weight | 136g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 525 x 300 x 310mm |
| Standard carton gross weight | 8kg |

# LAYOUT AND MEASUREMENT TOOLS

From home DIY projects to utility project layouts, UNI-T's layout and measurement tools can help to accurately measure distance (laser distance meter), project horizontal/vertical levels (laser levels), and detect objects behind walls during construction (wall scanners).

# LM40MI/LM50MI/LM60MI NEW!

## Mini Laser Distance Meters

CE UKCA

Mini Laser Distance meter is a multiple meter for distance, area and volume measurement with compact and portable design which mainly used in building, designing and engineering monitoring, etc.

40m     LM40Mi

50m     LM50Mi

60m     LM60Mi

| Features | |
|---|---|
| High accuracy (mm) | Multiple measurement functions |
| Compact and portable design | Long battery life |

| Models | LM40Mi | LM50Mi | LM60Mi |
|---|---|---|---|
| Measurement range | 0.05~40m | 0.05~50m | 0.05~60m |
| Precision | ±(2mm+d ×1/10000) | | |
| Continuous measurement | √ | | |
| Metope area measurement | √ | | |
| Area/Volume measurement | √ | | |
| Perimeter measurement | √ | | |
| Pythagorean measurement | √ | | |
| Min/Max | √ | | |
| Laser level | CLASS II | | |
| Laser type | 630-670nm, <1mW | | |
| Automatically cut off laser | 20s (single measurement) | | |
| Auto power off | 150s | | |
| Charging specification | DC5V 0.35A | | |
| Measurement times in full charge | 8000 times for single measurement | | |
| Storage temperature | -20˚C~60˚C | | |

| General Characterisitics | |
|---|---|
| Power | 3.7V 370mAh lithium battery |
| Product size | 86.5 x 36.5 x 19.5mm |
| Product weight | 75g |

# NEW! LM570R/LM585R SERIES
## Laser Level

These laser levelers are equipped with red LD laser,which allows for fast, accurate layout of reference points and lines.They are ideal tools for stair laying,furniture installation, electrical and residential construction.





LM573R

| Features | |
|---|---|
| Laser high-brightness display | 360°emission angle |
| Self-leveling and manual mode | Pendulum lock |
| Laser diagonals | Wireless remote control |
| Type-C interface | Buzzer + laser line flashes |

| Models | LM573R | LM575R | LM576R | LM585R |
|---|---|---|---|---|
| Language | EN, FR, DE, IT, ES, SV, PL, CZ | | | |
| Laser tube | SHARP LD | | | |
| Laser type | Red, high brightness | | | |
| Laser lines | 12 lines | 12 lines | 16 lines | 8 lines |
| Laser wavelength | 635nm±10nm | | | |
| Laser class | CLASS II | | | |
| Horizontal accuracy | ≤±3mm/10m | | | |
| Vertical accuracy | ≤±3mm/10m | | | |
| Brightness adjustment | 3 scales adjustable | | | |
| Laser linewidth | ≤5mm±1/10m (indoor lighting: 80~100lux) | | | |
| Emission angle | 360° | 360° | 360° | Horizontal: 360°, vertical: 120° |
| Leveling range | ±(3±1)° | | | |
| Minimum distance to wall/ground | 10mm | Wall: 10mm, ground: 15mm | Wall: 10mm, ground: 15mm | 20mm |
| Battery life | >30h | | | |
| Operating range | In the highest brightness, radius>30m | | | |
| Leveling modes | Magnetic damping, heavy hammer | | | |
| Alarm modes | Buzzer + laser line flashes | | | |
| Diagonal mode | √ | | | |
| Product size | 130 x 87 x 120mm | 135 x 87 x 130mm | 135 x 87 x 150mm | 85 x 75 x 115mm |
| Operating temperature | -10~50°C | | | |
| Power supply | 3.7V 6000mAh | | | |


LM575R


LM576R

| Characteristics | |
|---|---|
| Standard accessories | Laser level, 6000mAh battery pack, Type-C cable, user manual, wall-mounted bracket + iron plate (not LM585R), remote control (not LM585R), lifting table (only LM585R), tripod base (only LM585R) |
| Power | 3.7V 6000mAh |
| Standard quantity per carton | 4 |
| Standard individual packing | Gift box |


LM585R

# LM570LD/585LD SERIES
## Laser Levelers

**These laser levelers are equipped with red and green LD laser, suitable for large or bright work places. Its applications include: horizontal, vertical, cross line projection for decoration, building construction, home decoration, renovation, furniture installation, flooring, and project layout.**

**LM312 wall mount**
LM312 is suitable for
LM573LD-II/575LD/576LD only.

LM576LD

| Specifications | LM570R-I | LM570LD-II | LM573LD-II | LM575LD | LM576LD | LM585LD |
|---|---|---|---|---|---|---|
| Laser type | Red | Osram green LD | Osram green LD | Osram green LD | Osram green LD | Osram green LD |
| Laser lines | 1V1H | 2 lines | 3D 12 lines | 3D 12 lines | 3D 16 lines | 8 lines |
| Operating distance | 15m-30m | 10m | 40m | 40m | 30m | 30m |
| Laser accuracy | ±3mm/10m | ±3mm/10m | ±3mm/10m | ±3mm/10m | ±3mm/10m | ±3mm/10m |
| Outdoor pulse mode | | | √ | √ | √ | √ |
| Remote control | | | √ | √ | √ | √ |
| Self-leveling range | 3°±1° | 3°±1° | ±3° | ±3° | ±3° | ±3° |
| Self-leveling time | ≤3s | 3s | <3s | <3s | <3s | <3s |
| Working hours | >12h (All lasers on) | 4h | >6h | >6h | >4h | >4h |
| Laser wavelength | 635nm | 520nm | 520nm | 520nm | 520nm | 520nm |
| Laser class | 2 | | | | | |

| Features | |
|---|---|
| Osram LD green laser | Self-leveling mode & manual mode |
| Outdoor pulse mode | 5200mAh Li-ion battery |
| Type-C DC-in port | includes wall mount (LM573LD-II/575LD/576LD) |

| Characteristics | |
|---|---|
| Standard accessories | USB cable, adapter, English manual, Carrying bag (LM570R-I) |
| Power | LM570R-I: 2 x AA (LR6); LM570LD-II: 1.5V battery x 2 (LR6); LM573LD-II/LM575LD/LM576LD/LM585LD: 3.7V Li-ion battery 5200mAh |
| Product size | LM570R-I: 59 x 28 x 137mm; LM570LD-II: 85.5 x 62 x 90.3mm; LM573LD-II: 119 x 89 x 138mm; LM575LD/LM576LD: 138 x 89 x 147mm; LM585LD: 138 x 89 x 136mm |
| Product net weight | LM570R-I: 170g; LM570LD-II: 240g; LM573LD-II/LM575LD: 694g; LM576LD: 653g; LM585LD: 591g |
| Standard individual packing | Gift box, tool box, English manual (LM570R-I) |
| Standard quantity per carton | LM570R-I: 20pcs; LM570LD-II: 20pcs; LM573LD-II/LM575LD/LM576LD/LM585LD: 4pcs |
| Standard carton measurement | LM570R-I: 520 x 295 x 415mm; LM570LD-II: 420 x 320 x 350mm; LM573LD-II/LM575LD/LM576LD/LM585LD: 620 x 355 x 325mm |
| Standard carton gross weight | LM570R-I: 9.8kg; LM570LD-II: 10.71kg; LM573LD-II/LM575LD/LM576LD: 10.63kg; LM585LD: 10.22kg |

# LM T SERIES/LM320A/LM320B
## Laser Tape/Angle Meters

CE UKCA RoHS

**LM40T&60T is a 2-in-1 laser tape designed and laser distance measurements. It is widely used in home decoration, engineering, construction, and other industries.**

| Features |
|---|
| Auto power off |
| Power indication |
| Single measurement |
| Continuous measurement |

LM40T

LM60T

| Specifications | LM40T | LM60T |
|---|---|---|
| Display type | LCD | EBTN |
| LCD size (inch) | 1.2 | 1.2 |
| Range (m) | 40m; tape: 5m | 60m laser; 5m tape |
| Measurement basis | Rear | Front/rear |
| Data storage | | 20 sets |
| Single measurement | √ | √ |
| Continuous measurement | √ | √ |
| Max/Min/Area | | √ |
| Volume | | √ |
| Pythagoras | | √ |
| USB charging | | √ |
| Measurement unit | m/ft | m / ft / in / ' " |
| Accuracy | ±2mm | ±2mm |
| Battery type | 2XAAA 1.5V | 350mAh |

| Model | LM320A | LM320B |
|---|---|---|
| Certifications | CE, UKCA | |
| Measurement range | 4 x 90° | |
| Accuracy | ± 0.2° | |
| Resolution | 0.01° | |
| Display  type | EBTN-LCD | |
| Laser indication | | dual laser |
| Charging | USB Type C | |
| Operating time | 2h | |
| Magnet base | two sides | four sides |
| Auto power off | √ | |
| Relative / Absolute measurement | √ | |
| Low battery indication | √ | |

LM320B

# LM A SERIES
## Laser Distance Meters

The newly designed LM series laser distance meters can measure distance with a 1mm precision. LM series can also measure area, volume, addition, Pythagoras, and more. It can also store 99 groups data. These meters can be used in interior/exterior design, construction, factory supervision, engineering inspection, traffic accident evidence gathering, real estate development, fire assessment, and more.

LM50A                    LM120A

| Specifications | LM50A | LM70A | LM100A | LM120A |
|---|---|---|---|---|
| Display size | 2.0-inches | | | |
| Range | 50m | 70m | 100m | 120m |
| Display type | LCD | | | |
| Min. display unit | 0.001m | | | |
| Measurement units | m/ft/in | | | |
| Measurement basis | front/rear | | | |
| Accuracy | $\pm(2mm+5 \times 10^{-5} D)$ | | | |
| Laser class | 2 | | | |
| Laser type | 630~670nm, <1mW | | | |
| **Features** | | | | |
| Single measurement | √ | | | |
| Continuous measurement | √ | | | |
| Max/Min/Area | √ | | | |
| Volume | √ | | | |
| Pythagoras | √ | | | |
| Add/Subtract | √ | | | |
| Self calibration | √ | | | |
| Horizontal bubble | √ | | | |
| Data storage | 99 groups | | | |
| Auto power off | 3 minutes without operation | | | |
| Auto laser off | 30s without operation | | | |
| Storage temperature | -20℃~60℃ | | | |
| Operating temperature | 0℃~40℃ | | | |

| General Characterisitics | |
|---|---|
| Power | 1.5V battery (LR03) x 2 |
| Product color | Red and grey |
| Product size | 122mm x 52mm x 29.5mm |
| Standard accessories | Carrying bag |
| Standard individual packing | Gift box, English manual |
| Standard quantity per carton | 40pcs |
| Standard carton measurement | 470 x 340 x 360mm |

**(UT387A/C/D)**        **(UT387C/D only)**

# UT387 SERIES
## Wall Scanners

UT387 series wall scanners are great tools designed for construction and home improvement sector. These scanners can pick up hidden objects behinds walls, such as metals, live electrical wires and wood. They are widely used for interior finish, renovation, furniture installation, flooring, pipe installation and buiding construction.

|  |  |  |
|---|---|---|
| UT387A | UT387C | UT387D |

| Specifications | UT387A | UT387C | UT387D |
|---|---|---|---|
| Ferrous metals | StudScan: 19mm ThickScan: 28.5mm | 76mm | 40mm |
| Non-ferrous metals | StudScan: 19mm ThickScan: 28.5mm | 38mm | 80mm |
| AC electric wire depth | StudScan: 19mm ThickScan: 28.5mm | 50mm | 40mm |
| Wood | StudScan: 19mm ThickScan: 28.5mm | StudScan:19mm ThickScan:  28.5mm | 38mm |
| Buzzer indication | √ | √ | √ |
| Auto power off | √ | √ | √ |
| LED alarm | √ | √ | |
| Low battery indication | √ | √ | √ |
| Error calibration alarm | √ | √ | |

| Features |
|---|
| Auto power off |
| Low battery indication |
| Buzzer indication |

| Characteristics | |
|---|---|
| Power | UT387C: 9V battery (6F22); UT387D: 3.7V 300mAh Li-ion |
| Product size | UT387C: 170 x 70.5 x 38.9mm; UT387D: 135 x 60 x 25mm |
| Product net weight | UT387C: 247g; UT387D: 112g |
| Standard quantity per carton | 20pcs |
| Standard carton measurement | UT387C: 560 x 345 x 240mm; UT387D:395 x 295 x 230mm |
| Standard carton gross weight | UT387C: 6.7kg; UT387D:5.3kg |

LAYOUT AND MEASUREMENT TOOLS

# UT387 SERIES
## Wall Scanners

CE  UK CA  RoHS

The new UT387 series wall scanners used to detect a variety of objects behind the wall, designed with multiple measurement modes and additional functions to conveniently measure distance and wood moisture. It is widely used in home renovation, home improvement, and DIY projects.

| 2.4 inch color screen | voice broadcast | Li-on battery | Auto power off | Multiple measurement modes |
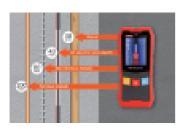
UT387E              UT387LM              UT387S

| Specifications | UT387E | UT387LM | UT387S |
|---|---|---|---|
| Ferrous metals | 100mm | | |
| Non-ferrous metals | 80mm | | |
| Wood | 38mm | | |
| AC electric wire depth | 40mm | | |
| Laser distance | NA | 40m | 40m |
| Wood moisture (%) | NA | NA | 6%~40% |

| Characteristics | |
|---|---|
| Product color | Red and Gray |
| Standard quantity per carton | 20 |
| Standard carton measurement | 360 x 270 x 235mm |

# LM SERIES
## Laser Rangefinders

UNI-T's LM series laser rangefinders enable accurate measurement of height, distance, and angle. The new speed measurement function adopts low power pulsed laser that is safe for the eyes. LM series laser rangefinders are perfect tools for a wide variety of applications such as engineering surveying, building construction, navigation, golf, and hunting.

| Distance: 5~1500yd | HD coating | Skidproof | Angle: ±45℃ | 6X optical zoom telescope | Height: 0~600yd | Speed: 0~300km/h (0~186mi/h) | Built-in Li-ion battery |

| Specifications | LM600 | LM1000 | LM1500 |
|---|---|---|---|
| Distance range | 5~600yd | 5~1000yd | 5~1500yd |
| Height | 250yd | 450yd | 600yd |
| Accuracy | ±1yd ± D x 0.2% | | |
| Magnification | 7X | | |
| Lens diameter | 25mm | | |
| Height error | ±0.5yd | | |
| Velocity range | 0-300km/h (reference only) | | |
| Angle | ±45° | | |
| Angle error | ±1° | | |
| Pulse laser | Harmless to eyes | | |
| Silent operation | Auto power off system | | |
| Fast distance measurement | √ | | |
| LCD display | √ | | |
| Tripod mounting hole | √ | | |

| Characteristics | |
|---|---|
| Standard accessories | Carrying bag, hanging cord, USB interface cable, English manual |
| Power | 3.7V Li-ion battery 1500mAh |
| Product size | 114 x 76 x 48mm |
| Product net weight | 230g |
| Standard individual packing | Gift box |
| Standard quantity per carton | 6pcs |
| Standard carton measurement | 350 x 315 x 112mm |
| Standard carton gross weight | LM600: 2.6kg; LM1000/LM1500: 2.94kg |

# LM600A SERIES
## Laser Rangefinders

CE  UKCA  RoHS

LM series Rangefinder have 2.0 inch external display screen, they have flagpole lock, golf trajectory compensation, distance/angle/height/speed/Area/Volume measurement and vibration hint functions. It can be used in golf, power equipment installation, highway, municipal engineering, forestry survey and design, construction, network planning and communication maintenance.

**750mAh** Lithium battery | High precision | Vibration hint

Golf mode | Flagpole lock mode | **6X** 6 x optical

| Specifications | LM600A | LM800A | LM1000A | LM1200A | LM1500A |
|---|---|---|---|---|---|
| Distance range | 3~600m | 3~800m | 3~1000m | 3~1200m | 3~1500m |
| Accuracy | ±1m ± range x 0.2% | | | | |
| Magnification | 6X | | | | |
| Diopter adjustment range | ±6° | | | | |
| Height | 250m | 300m | 450m | 500m | 600m |
| Speed range | 18~300Km/h | | | | |
| Angle | ±45° | | | | |
| Objective aperture | 21.5mm | | | | |
| Eyepiece aperture | 15mm | | | | |
| Exit pupil diameter | 3.7mm | | | | |
| Angle error | ±1° | | | | |
| Slope measurement | √ | | | | |
| Height measurement | √ | | | | |
| Volume measurement | √ | | | | |
| Area measurement | √ | | | | |
| Angle measurement | √ | | | | |
| Auto power off | √ | | | | |
| Laser class | Class 1 | | | | |
| Laser wavelength | 905nm | | | | |
| Operating temperature | -10°C~50°C | | | | |

| General Characterisitics | |
|---|---|
| Standard accessories | USB cable |
| Power | 3.7V 750mAh lithium battery |
| Standard individual packing | Gift box, English manual, Carrying bag, Hand strap |

# LM G SERIES
## Laser Rangefinders

Golf rangefinder has flagpole lock, golf trajectory compensation, continuous measurement, distance/angle/height/ speed measurement and vibration hint functions. It can be used in golf, power equipment installation, highway, municipal engineering, forestry survey and design, construction, network planning and communication maintenance.

| 750mAh Lithium battery | High precision | Ultra Clear LCD Display | Harmless laser |
| --- | --- | --- | --- |
| Vibration hint | Golf mode | Flagpole lock mode | 6 x optical |

| Specifications | LM600G | LM800G | LM1000G | LM1200G | LM1500G |
| --- | --- | --- | --- | --- | --- |
| Distance range | 3~600m | 3~800m | 3~1000m | 3-1200m | 3~1500m |
| Accuracy | ±(1m ± range ) x 0.2% | | | | |
| Magnification | 6X | | | | |
| Diopter adjustment range | ±6° | | | | |
| Height | 250m | 300m | 450m | 500m | 600m |
| Height error | ±0.5m | | | | |
| Speed range | 0~300Km/h | | | | |
| Angle | ±60° | | | | |
| Objective aperture | 19mm | | | | |
| Eyepiece aperture | 15mm | | | | |
| Exit pupil diameter | 3.7mm | | | | |
| Angle error | ±1° | | | | |
| Slope measurement | √ | | | | |
| Height measurement | √ | | | | |
| Laser class | Class 1 | | | | |
| Laser wavelength | 905nm | | | | |
| Operating temperature | -10°C~50°C | | | | |

| General Characterisitics | |
| --- | --- |
| Standard accessories | USB cable |
| Power | 3.7V 750mAh lithium battery |
| Product size | 108 x 68 x 38mm |
| Standard individual packing | Gift box, English manual, Cloth case, Sling |
| Standard quantity per carton | 5pcs |

# LM2000
## Laser Rangefinder

The LM2000 is a long range laser rangfinder for outdoor engineering. The main body is covered with anti-slip durable soft rubber that covers 80% of the entire device. LM2000 measure up to 2000 meters, equipped with 8X optical zoom. LM2000 is a highly accurate device designed for professionals. It is powered by 18650 lithium battery and charges through type-C USB cable.

| Specifications | Range |
|---|---|
| Range | 2000m |
| Measuring unit | m/yd/ft |
| Accuracy | ±(0.3m+0.001×Dm) |
| Angle range | -90°~90° |
| Tilt angle accuracy | ±0.5° |
| Gyroscope angle accuracy | ±0.1° |
| Laser wavelength | 905nm |
| Field of view | 6° |
| Magnification | 8X |
| Object lens diameter | 23mm |
| Eyepiece diameter | 31mm |
| Exit pupil diameter | 3.8mm |
| Diopter | ±7D |
| Diopter adjustment | Manual |
| LCD display | Black (Red) bicolor R-Plcd |
| Charging interface | Type-C |
| Data export | USB |

| Features | |
|---|---|
| Tripod screw hole | Flagpole lock mode (close-range priority) |
| Rain and fog (long-range priority) | Vertical height between two points |
| Point to point | Auto height/auto level |
| Auto power off | Continuous measurement |
| Angle measurement | Azimuth angle |

| Characteristics | |
|---|---|
| Power | 2000mAh Lithium battery |
| Product size | 149 x 125 x 55mm |
| Product net weight | 593g |
| Standard quantity per carton | 4pcs |
| Standard carton measurement | 400 x 335 x 120mm |
| Standard carton gross weight | 4.7kg |
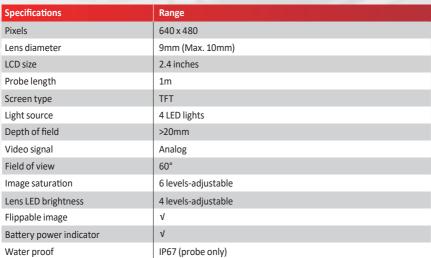
# UT665
## Borescope

**UT665 borescope displays clear images through a flexible camera probe. It is useful for viewing details of automobiles engine, pipelines, inner building walls, drain pipes, and other hard to reach locations. It is designed with 4-level adjustable LED lights and 180 degrees viewing angle IP67 probe.**
**UT665 can perform non-destructive testing in complex industrial environments.**

UT665

| Specifications | Range |
|---|---|
| Pixels | 640 x 480 |
| Lens diameter | 9mm (Max. 10mm) |
| LCD size | 2.4 inches |
| Probe length | 1m |
| Screen type | TFT |
| Light source | 4 LED lights |
| Depth of field | >20mm |
| Video signal | Analog |
| Field of view | 60° |
| Image saturation | 6 levels-adjustable |
| Lens LED brightness | 4 levels-adjustable |
| Flippable image | √ |
| Battery power indicator | √ |
| Water proof | IP67 (probe only) |

| Characteristics | |
|---|---|
| Standard accessories | Camera probe, batteries, English manual |
| Power | 1.5V battery (R6) x 4 |
| Display | 2.36 inches |
| Product size | 196 x 74 x 97mm |
| Product net weight | 500g |
| Standard individual packing | Gift box, blister |
| Standard quantity per carton | 8pcs |
| Standard carton measurement | 455 x 410 x 275mm |
| Standard carton gross weight | 6.4kg |

# ACCESSORIES

**UT-L01 Tweezers test leads**
- Length: 450mm, Probe length: 5mm
- Safety level: CAT III 1000V
- Application: SMT components measurement, universal test leads
- Amount: 1pc

**UT-L06 Dual head connectors**
- Length: test leads 1200mm
- Safety level: CAT III 1000V 10A
- Application: Multifunctional connectors, all multimeters and clamps
- Amount: 1 pair

**UT-L07 Probes**
- Length: 1000mm, Probe length: 5mm+12mm
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Double insulated, lantern probes, removable probe protector, general type probles, all multimeters and clamps measuring within spec
- Amount: 1 pair

**UT-L09 Dual head connectors**
- Length: 1000mm, one head is 180º, the other is 9
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Double insulated, banan security mask and standard diameter, suitable for all multimeters and clamps
- Amount: 1 pair

**UT-L10 Dual head multifunctional connectors**
- Length: 1000mm, ø4mm
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Lantern plug, used for testing adapter cables
- Amount: 1 pair

**UT-L16 Probes**
- Length: 1200mm, Rod length: 133mm
- Tip length: 18mm
- Safety level: CAT III 1000V 16A
- Safety certificate: EN 61010-031 :2015
- Features and application: Double insulated silicon wire material, through hole type input terminal, g type probes, all multimeters and clamps measurin within spec
- Amount: 1 pair

**UT-L20 Probes**
- Leads length: 900mm, Rod length:101mm
- Tip length: 16.5mm
- Safety level: CAT I 1000V/CAT II 600V 10A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair

**UT-L21 Probes**
- Leads length: 900mm, Rod length: 133mm
- Tip length: 15.8mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and c
- Amount: 1 pair

# LEADS
## ...ies

...0mm, Rod length: 115mm

...II 1000V/CAT IV 600V 10A
...EN 61010-031 2015
...lication: Double insulated wire, removable
...general type probes, all multimeters
...uring within spec

**UT-L26 Probes**
- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Safety certificate: EN 61010-031 2015
- Features and application: UL 16AWG double insulated wire, removable tip shield sleeve, cross type input terminal with full protection, general type probes, all multimeters and clamps
- Amount: 1 pair

...0mm, Rod length: 130mm
...m, threaded
...II 1000V/CAT IV 600V 10A
...EN 61010-031 2015
...lication: Double insulated UL
...aterial, removable tip shield sleeve, banana
...al, general type probes, all multimeters
...uring within spec

**UT-L28 Probes**
- Leads length: 900mm, Rod length: 128mm
- Tip length: 16.8mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features and application: Double insulated wire, removable tip shield sleeve, banana plug input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair

...0mm, Rod length: 136mm
...m
...II 1000V/CAT IV 600V 10A
...EN 61010-031 2015
...lication: Double insulated
...material, through hole crosshead
...n input, removable tip shield sleeve,
...bes, all multimeters and clamps measuring

**UT-L30 Probes**
- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 2015
- Features and application: Double insulated UL authenticated material, removable tip shield sleeve, cross input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair

**UT-L31 Probes**
- Line length: 1300mm
- Tip length: 18.5mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features and application: rod with switch, removable tip shield sleeve, used for UT505B
- Amount: 1pc

**UT-L33 Group test leads**
- Combinations: combined with 1PCS (red+black) alligator clip test leads and 1PCS double-plug alligator clip test leads
- Material: Double insulated UL authenticated material
- Total length: 1200±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT511
- Amount: 1 Group

**UT-L34 Group test leads**
- Combinations: combined with 1PCS green, 1PCS black and 1PCS red alligator clip test leads
- Total length: 1500±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT513, UT513A
- Amount: 1 Group

**UT-L35 Group test leads**
- Combination: (1) 1.6m test lead (green+red) 1pair (2) 5m green test lead 1PCS (3) 10m yellow test lead 1PCS (4) 20m red test lead 1PCS
- Material: UL authenticated material
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT521, UT522, UT572
- Amount: 1 Group

**UT-L36 Dual through hole test leads**
- Material: 18AWG UL authenticated material
- Length: 1100mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT505B
- Amount: 1 pair

**UT-L37 Dual through hole test leads**
- Material: Double insulated wire, 102 cores
- Length: 1090mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT500 series
- Amount: 1 pair

**UT-L40 SMD patch clamp**
- Leads length: 450mm, probe length: 5mm
- Temperature condition: -10°C~40°C
- Safety level: CAT II 1000V 2A
- Features and application: used to SMT components, for UT612
- Amount: 1pc

**UT-L41 Alligator clip short test leads**
- Core: 19/20
- Length: 110-130mm
- Features and application: full protection cross input terminal, used for UT71 series, UT601, UT603
- Amount: 1 pair

# TEST LEADS/MAGNETIC HANGER
## UT-L Series

**UT-L42 Kelvin clips double insulated wire**
● Length: 1000mm
● Features and application: AV input lead, used for UT620A
● Amount: 1 pair

**UT-L44 Group test leads**
● Length: 1000mm
● Application: UT221, UT222
● Amount: 1PC

**UT-L65 Gold plated test probes**
● Lead length: 1200mm
● Rod length: 130mm
● Tip length: 17.5mm
● Category rating: CAT II 1000V 10A
● Features and applications: Features and applications: Gilded tip; removable tip shield sleeve; general type probe.
● Amount: 1 pair

**UT-L90 Test Probe with Extra-Fine Tip**
● Lead length: 1200mm
● Rod length: 130mm
● Tip length: 17.5mm
● Category rating: CAT III 1000V/CAT IV 600V 10A
● Features and applications: UT-L90 is a general-purpose test probe designed with fine plating tip and protective sleeve, applicable for measuring fine components and IC pins.
● Amount: 1 pair

**UT-T01 Thermocouple**
● Accuracy: ±0.75%
● Test range: -40°C~260°C (40°F~500°F)
● Features and application: Teflon covered insulation, through hole input, used for general temperature measurement, not for liquid measurement
● Amount: 1pc

**UT-T03 Submersed thermocouple**
● Probe length: 180mm
● Lead wire length: 1000mm
● Test range: -50°C~600°C (58°F~1112°F)
● Features and application: metal covers from he
used for liquid and gel temperature measurem
● Amount: 1pc

**UT-T04 Through hole thermocouple**
● Probe length: 180mm
● Lead wire length: 1000mm
● Test range: -50°C~600°C (58°F~1112°F)
● Features and application: metal covers from head to handle, used for food and other liquid or gel temperature measurement
● Amount: 1pc

**UT-T05 Gas thermocouple**
● Probe length: 56mm
● Lead wire length: 1000mm
● Test range: -50°C~900°C (58°F~1652°F)
● Features and application: protected by stainles
adjusting hole, used for air or gas temperature
not for liquid temperature measurement
● Amount: 1pc

**UT-T06 Surface temperature thermocouple**
● Probe length: 125mm
● Lead wire length: 1000mm
● Test range: -50°C~500°C (58°F~932°F)
● Features and application: aimed at flat or slightly convex surface, used for hot roller and vessel surface temperature measurement
● Amount: 1pc

**UT-T07 Surface temperature measurin**
● Probe length: 200mm
● Lead wire length: 1000mm
● Test range: -50°C~500°C (58°F~932°F)
● Features and application: probe bends for 90°,
or slightly convex surface, used for hot roller an
surface temperature measurement
● Amount: 1pc

**UT-T09K Temperature probe**
● Test range: -40°C~260°C (40°F~500°F)
● Accuracy: ±0.75%
● Features and application: crosshead socket type input, used for UT139C/E/S, UT216C/D, UT210D, UT213B/C, UT171B/C, UT219M, UT219DS, UT222
● Amount: 1pc

**UT-T10K Temperature probe**
● Test range: -40°C~260°C (40°F~500°F)
● Accuracy: ±0.75%
● Features and application: used for UT213 serie
UT39C, UT204A, UT206, UT208, UT208A, UT10
UT109, UT136C+, UT133A, UT89X, UT39C+
● Amount: 1pc

**UT-T11 Temperature probe**
● Test range: -40°C~260°C (40°F~500°F)
● Accuracy: ±0.75%
● Features and application: through hole input, used for UT58 series, UT195M
● Amount: 1pc

**UT-T12 Temperature probe**
● Test range: 0°C-800°C (Error ±0.4%t)
● Features and application: Through hole input, u
UT322, UT325, UT181A
● Amount: 1pc

**UT-T13 Temperature probe**
● Test range: -40°C~1000°C
● Features and application: used for UT206A
● Amount: 1PC

**UT-T14 Temperature probe**
● Test range: -40°C~1000°C
● Features and application: Philips type plug, use
● Amount: 1PC

**Temp clamp**
-200°C
mm
2000mm
lication: Flat plug for any K-type
ording meter

**UT-T16 Temp clamp (Coming soon)**
- Temperature range: -50~+150°C
- Accuracy: ±0.5°C(-50~90°C), ±1(other)
- Length: 2m
- Connection type: Aviation plug, matches UT336E
- Operating temperature: -20~50°C (Wire insulation,
  temperature clamp: Max 150°C)

**lamp (Coming soon)**
ge: -50~+150°C
(-50~90°C), ±1(other)
UT-T17: Earphone plug, matches UT336P
rature: -20~50°C(Wire insulation,
mp: Max 150°C)

**UT-C01 Hook type test clamps**
- Specifications: Rod length 62mm, hook can extend to 7.5mm
- Safety level: CAT III 1000V 10A
- Features: With safety handle and spring hook type alligator clips
- Amount: 1 pair

**gh hole alligator clips**
ngth 80mm, opening 36mm
II 1000V/CAT IV 600V 10A
: EN 61010-031:2015

**UT-C02B (M4) threaded bore alligator clips**
- Specifications: Length 80mm, opening 36mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031:2015
- Amount: 1 pair

**gh hole alligator clips**
ngth 75mm, opening 27mm
III 1000V/CAT IV 600V 10A
e: EN 61010-031:2015

**UT-C05A (M4) threaded bore alligator clips
(with protector)**
- Specifications: Length 67mm, opening 8.3mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Amount: 1 pairr

**h hole alligator clips (with protector)**
ngth 71mm, opening 8.3mm
I 1000V/CAT IV 600V 10A

**UT-C06 Test probes**
- Specifications: Rod length 106mm, probe length 19mm
- Safety level: CAT III 1000V 10A
- Features: Fully-insulated, with tip and protector, banana plug
  probes
- Amount: 1 pair

# THERMOCOUPLES/ALLIGATOR CLIPS/KELVIN CLIPS
## UT-C Series

**UT-C07 Multifunctional electric test clips**
● Specifications: Rod length 110mm, adjustable clip length 8mm
● Safety level: CAT III 1000V/CAT IV 600V 5A
● Features: Standard transfer socket, adjustablemultifunctional clips
● Amount: 1 pair

**UT-C08 Test probes**
● Specifications: Rod length 99mm, probe length 18mm
● Safety level: CAT III 1000V/CAT IV 600V 10A
● Features: Fully-insulated, with tip and protector,  straight type
  probes
● Amount: 1 pair

**UT-C09 Test probes**
● Specifications: Rod length 99mm, probe length 18mm
● Safety level: CAT III 1000V/CAT IV 600V 10A
● Features: Fully-insulated, with tip and protector, lantern
  type probes
● Amount: 1 pair

**UT-C12 Through hole alligator clips (with protector)**
● Specifications: Length 53mm, opening 6mm
● Amount: 1 pair

# ADAPTER SOCKETS/POWER ADAPTERS/DATA CABLES

## UT-S/UT-W Series/UT-D Series

**UT-S01B Multifunctional adapter socket**
- Function: Adapter test of temperature, capacitance and transistor
- Suitable products: UT58 series
- Amount: 1pc

**UT-S06 Power adapter socket**
- Suitable products: UT171 series、UT181
- Amount: 1pc

**UT-S07 Temperature adapter socket**
- Suitable product: UT181A
- Amount: 1pc

**UT-S08 UT612 adapter socket**
- Suitable products: UT612
- Amount: 1pc

**UT-W03 Power adapter**
- Input: AC230V 50/60Hz 65mA
- Output: DC14.5V 600mA
- Certification: ErP
- Suitable products: UT512, UT511
- Amount: 1pc

**UT-W04 Power adapter**
- Input: AC230V 50/60Hz
- Output: DC14.5V+0.5V 1.0A
- Certification: ErP
- Suitable products: UT513, UT513A
- Amount: 1pc

**UT-W05 Power adapter**
- Input: 100~240V 50/60Hz
- Output: DC9V 4A outer positive inside negative
- Certification: ErP
- Suitable products: UT620A
- Amount: 1pc

**UT-W07 Power adapter**
- Input: AC100~240V 50/60Hz
- Output: DC10V 500mA input short-circuit protection
- Certification: ErP
- Suitable products: UT181A, UT171B/C
- Amount: 1pc

**UT-D09 USB data cable**
- Wire length: 1m
- Features: USB interface, two-way transmission
- Suitable products: UT171 series, UT243, UT181A
- Amount: 1pc

**UT-D11 USB connecting wire**
- Wire length: 1m
- Suitable products: UT305A, UT305C, UT315, UT321, UT322, UT325, UT382, UT612, UT362
- Amount: 1pc

# CHARGING STAND/MAGNETIC HANGER

## UT-W Series/UT-B Series

**UT-W12 Adapting charging stand**
- Input Voltage and Current: DC 16.8V, 2A
- Input Interface: DC-005U 5.5-2.0MM
- Ouput Voltage and Current: DC 16.8V, 2A
- Output Interface: Special Lithium battery blade plug
- Compatible products: UT513B, UT513C, UT513D, UT512E

**UT-M18 Lithium battery pack**
- Voltage: 14.8V
- Rated capacity: 5200mAh 76.96Wh
- Compatible products: UT513B, UT513C, UT513D, UT512E

**UT-B23 Magnetic hanger**
- Features & applications: The magnetic hanger (general accessory) can be applied in power distribution cabinet, photovoltaic combiner box, automobile engine hood, and more. It is suitable for use with UT117C, UT15B MAX, UT17B MAX, UT18B MAX, etc.
- Color: Black
- Quantity: 1PCS

**UT-B24 Magnetic hanger**
- Features & applications: The magnetic hanger (general accessory) can be applied in power distribution cabinet, photovoltaic combiner box, automobile engine hood, and more. It is suitable for use with UT196, UT195 series, UT60 series etc.
- Color: Black
- Quantity: 1PCS

# Notes ☼ ⛅ ☂