UNI-T®

UT197

Industrial Digital Multimeter

The UT197 is a high-precision true RMS handheld digital multimeter with 600,000-count display. It has IP67 protection, can endure 5-meter drops, and operates in -40°C~55°C, suiting harsh outdoor conditions. Its built-in VFD anti-interference startup mode filters out carrier-frequency and distorted-voltage interferences for stable inverter measurements. The 1000A AC/DC current measurement (UT-CS07) with Bluetooth enables result recording via UNI-T SmartTest APP, generating graphs and tables. Certified to CAT IV 1000V safety level (CE, cETLus), it's widely used in power construction, equipment maintenance, petrochemical, engineering, HVAC, new-energy, factory, and laboratory applications.



600000
True RMS measurement

12KV
12KV Pulse impulse protection

5m
5m drop protection

IP67
IP67 protection

High Ruggedness (-40°C-55°C)

BT app supported

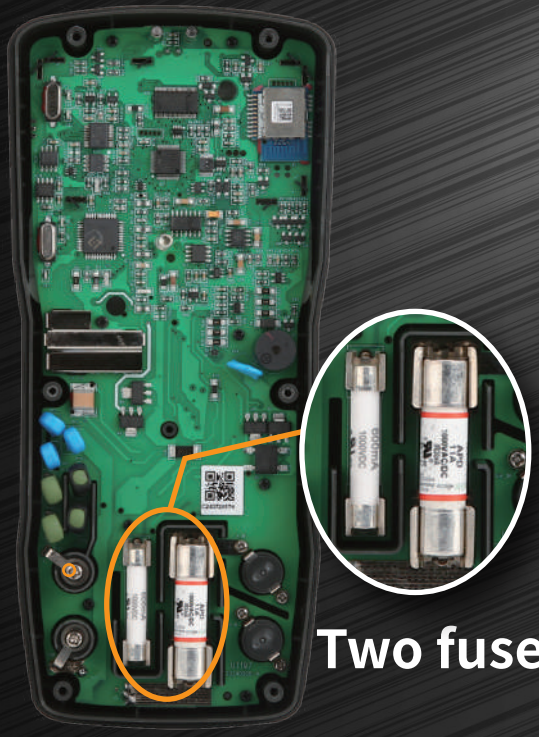
True RMS measurement





True RMS measurement (600000 count)

Safety Protection, Precision Measurement



Two fuses

12KV Pulse impulse protection

High Ruggedness



5m drop proof

High Ruggedness



IP67 water/Dust proof

Working environment



-40°C-55°C

BT APP: UNI-T Smart Measure







- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;

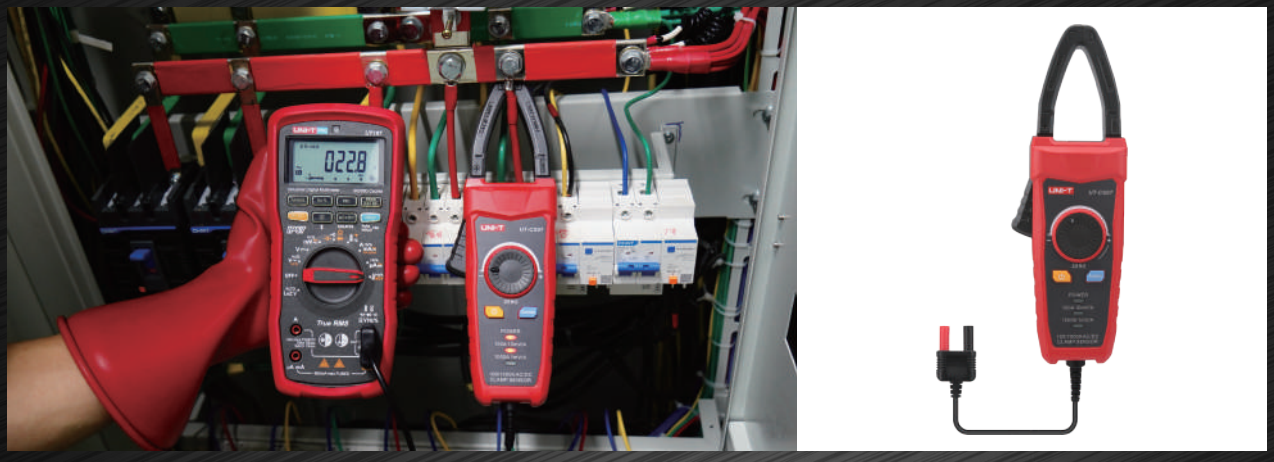
UNIT Smart Measure (Google play)

UNI-T Smart Measure (iOS-app store)

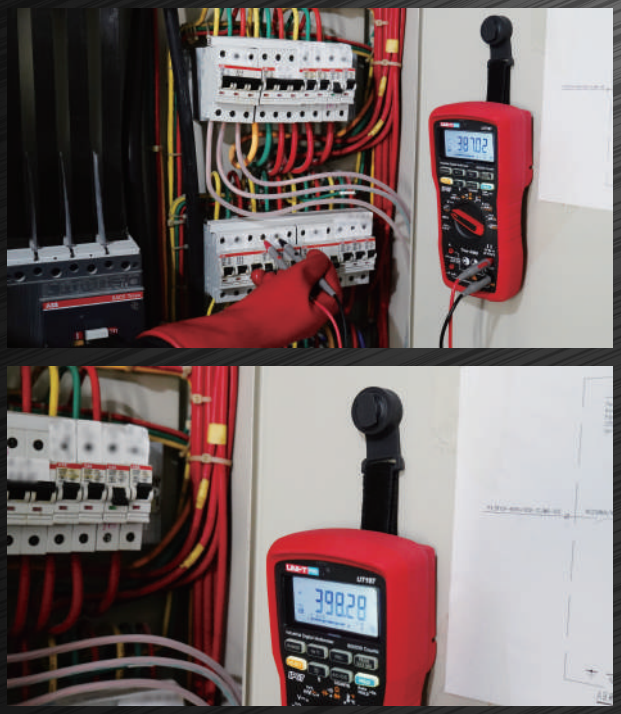
Mis-plug alarm



External Clamp: UT-CS07 (Optional)



Magnetic hang strap (UT-B23/UT-B24 optional)





Technical Specifications

Specification	Range	Accuracy
AC current (A)	600.00uA/6000.0uA/60.000mA/600.00mA/6.0000A/10.000A	±(0.5%+50)
DC current (A)	600.00uA/6000.0uA/60.000mA/600.00mA/6.0000A/10.000A	±(0.1%+20)
AC+DC current (A)	600.0uA/6000uA/60.00mA/600.0mA/6.000A/10.00A	±(1.0%+5)
AC voltage (V)	600.00mV/6.0000V/60.000V/600.00V/1000.0V	±(0.3%+20)
Voltage (DCV) (60000 count)	600.00mV/6.0000V/60.000V/600.00V/1000.0V	±(0.03%+5)
Voltage (DCV) (600000 count)	600.000mV/6.00000V/60.0000V/600.000V/1000.00V	±(0.015%+10)
Auto AC/DC voltage	600.0V	±(0.8%+5)
Voltage range (ACV+DCV)	600.0mV/6.000V/60.00V/600.0V/1000V	±(0.8%+5)
Externalcurrent (DC) (Optional: UT-CS07)	100.0A (10mV/A)/1000A(1V/A)	±(1.5%+5)
Externalcurrent (AC) (Optional: UT-CS07)	100.0A (10mV/A)/1000A(1V/A)	±(1.5%+5)
Frequency (Hz)	10Hz~1MHz	±(0.002%+5)
Resistance (Ω)	600.00Ω/6.0000kΩ/60.000kΩ/600.00kΩ/6.0000MΩ/60.00MΩ	±(0.07%+2)
Capacitance (F)	60.00nF/600.0nF/6.000μF/60.00μF/600.0μF/6.000mF/60.00mF	±(0.8%+3)
Temperature (°C)	-40°C~1000°C	±(1.0%+15)
Temperature (°F)	-40°F~1832°F	±(1.0%+30)
Duty cycle (%)	10Hz~10kHz (10%~90%)	±(1.2%+5)
Features		
True RMS value		√
Display count	600000 (DCV); 9999 (frequency)	√
Diode test	3.0V	√
Non-Contact voltage		√
Data hold (Manual/Auto)		√
Peak capture		√
Maximum/Minimum value		√
High voltage alarm		√
Low battery indicator		√
Miswired probe alarm		√
Overrange indicator		√
Auto power off	Around 15 minutes	√
Auto backlight		√
Bluetooth communication		√
Drop test		5m
IP protection level		IP67
Safety standard level		CAT IV 1000V

UNI-TREND TECHNOLOGY

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