UT197PV

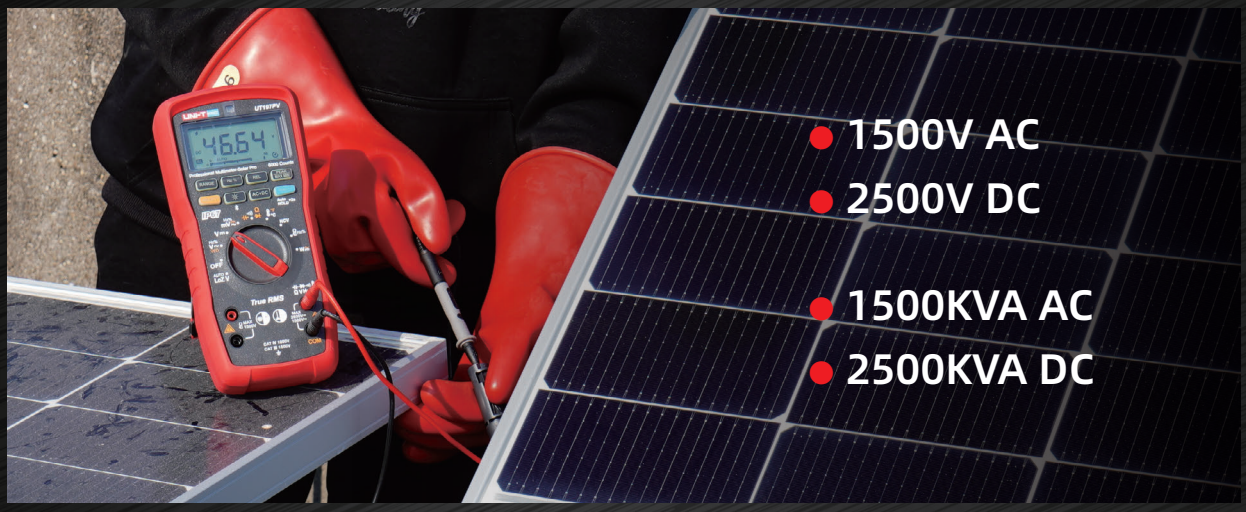
Professional Multimeter-Solar Pro

The UT197PV is a rugged, high-precision true RMS handheld multimeter designed for industrial use. Key features include an IP67 rating for dust and water resistance, and the ability to withstand drops from up to 5 meters.

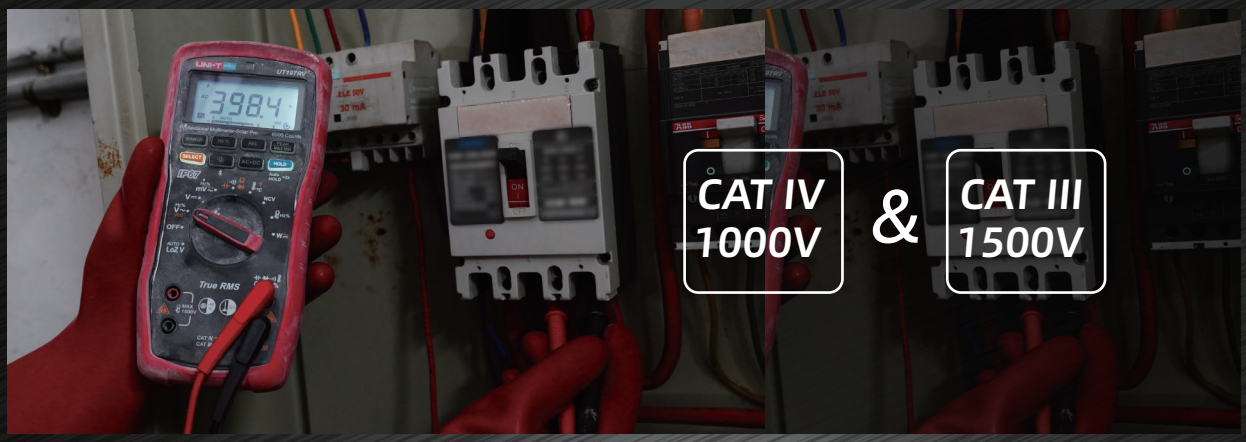
This multimeter is ideal for harsh outdoor environments, such as damp or sandy conditions and extreme cold. It is widely used in power engineering, HVAC, new energy and environmental protection etc..

- AC/DC voltage measurement
- AC/DC power measurement
- Peak capture (250µs)
- External clamp (Optional: UT-CS07)
- 5m drop protection
- IP67 protection
- High Ruggedness (-40°C-55°C)
- BT app supported

Voltage & Power measurement



Category rating



High Ruggedness

5m drop proof

Working environment

-40°C-55°C

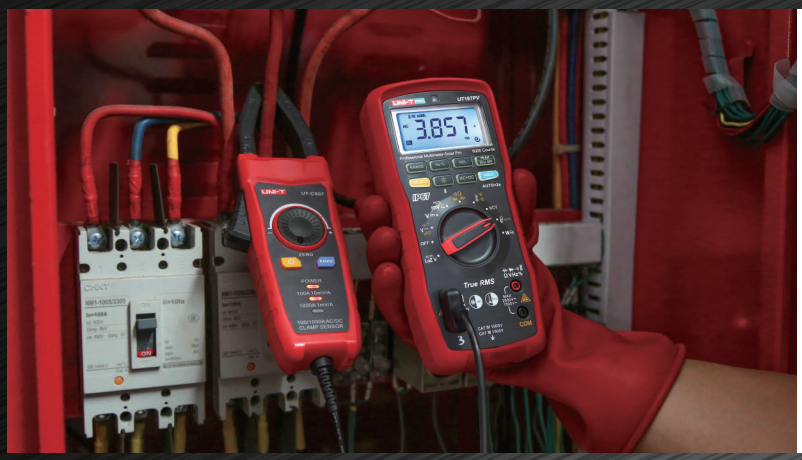
High Ruggedness

IP67 water/Dust proof

Fast & Accuracy measurement

1, Captures fast transients as short as 250μs;
2, Ideal for complex signal measurement.

External Clamp: UT-CS07 (Optional)



up to AC/DC 1000A

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)

Technical Specifications

Specification			
Voltage (DCV)		600.0mV	±(0.3%+5)
		6.000V/60.00V/600.0V	±(0.2%+5)
		2500V	±(1.0%+5)
Voltage (ACV)	45~1kHz	600.00mV/6.000V/60.00V/600.0V/1500V	≥45Hz, <500Hz: ±(0.8%+3) ≥500Hz, <1KHz: ±(1.8%+3)
VFD (ACV)	45~200Hz	600.0V/1500V	±(2.0%+5)
Auto Loz	45~400Hz	600.0V	±(1.5%+5)
		1500V	±(1.8%+5)
ACV+DCV		600.00mV/6.000V/60.00V/600.0V/1500V	≥45Hz, <500Hz: ±(1.5%+5); ≥500Hz, <1KHz: ±(2.5%+5);
Resistance		600.0Ω	±(0.8%+5)
		6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ	±(0.5%+5)
		60.00MΩ	±(2.5%+5)
Capacitance		60.00nF	±3.0%
		600.0nF/6.000μF/60.00μF/600.0μF	±(3.0%+5)
		6.000mF/60.00mF	±(10.0%+5)
Continuity		600.0Ω	±(1.0%+5)
Diode		3.2V	±(1.0%+5)
Fequency		99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz	±(0.02%+5)
Duty cycle		10Hz~10KHz (10%~90%)	±(2.0%+30)
Temperature		-40°C~1000°C	±(1.0%+30)
		-40°F~1832°F	±(1.0%+60)
External clamp (DCA)	UT-CS07 (optional)	100A(10mV/A) & 1000A(1mV/A)	±(0.8%+5)
External clamp (ACA)	UT-CS07 (optional)	45~400Hz: 100A(10mV/A) & 1000A(1mV/A)	±(1.0%+5)
AC Power 100A (10mV/A)	Active power	60.00kW/150.0kW	±(3.0%+5)
	Apparent power	60.00kVA/150.0kVA	±(2.0%+5)
	Reactive power	60.00kVAr/150.0kVAr	±(5.0%+5)
	Factor	-1~1	
AC Power 1000A(1mV/A)	Active power	600.0kW/1500kW	±(3.0%+5)
	Apparent power	600.0kVA/1500kVA	±(2.0%+5)
	Reactive power	600.0kVAr/1500kVAr	±(5.0%+5)
	Factor	-1~1	
DC Power 100A (10mV/A)		60.00kVA/250.0kVA	±(3.0%+5)
DC Power 1000A (1mV/A)		60.00kVA/2500kVA	±(3.0%+5)
Display count	6000		
True RMS	√		
PEAK	√ (250μs bandwidth pulse signal)		
Multifunctional protection	√		
Bluetooth app	√		
Drop protection	5m		
IP rating	IP67		
Working temperature	-40~55°C		
Overvoltage category	CAT IV 1000V/CAT III 1500V		

The device also includes the following features: analog bar display, non-contact voltage detection (NCV), auto-ranging capability, relative measurement mode (REL), max/min recording, data hold function, high-voltage alert system, low-battery indicator, auto-adjusting backlight, and automatic power-off (APO).

UNI-TREND TECHNOLOGY

meters.uni-trend.com