

UT181A

True RMS Datalogging Multimeter

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.

- 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
- Input protection



● UT-D07A



● UT181A



- Smart phone APP: iDMM
- Works with UT-D07A Bluetooth adaptor
- Download from Apple Store or Google Play Store

SPECIFICATION	Range	Accuracy
Certificates	CE, RoHS, cETLus	
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
Category ratings	CAT III 1000V, CAT IV 600V, IP65	
GENERAL CHARACTERISTICS		
Power	Li-ion battery: 7.4V 2200mAh	
Display	3.5-inch 64k color TFT LCD (320 x 240)	
Product net weight	638.6g	
Product size	225mm x 103mm x 59mm	
Standard accessories	Battery, test leads, temperature adaptor socket, point contact temperature probes, power adaptor socket, power adaptor, USB interface cable, English manual	
Standard individual packing	Gift box, carrying bag	
Standard quantity per carton	5pcs	
Standard carton measurement	355mm x 310mm x 265mm	
Standard carton gross weight	7kg	
Optional accessories	Bluetooth adaptor (UT-D07)	

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.

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



- Smart phone APP: iDMM
- Works with UT-D07A Bluetooth adaptor
- Download from Apple Store or Google Play Store



● UT171C

SPECIFICATION	Range	UT171A	UT171B	UT171C
Certificates	CE, RoHS, cETLus			
DC voltage (V)	1000V	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.4%+40)	±(0.4%+40)	±(0.4%+40)
DC current (A)	10A	±(0.15%+10)	±(0.15%+10)	±(0.15%+10)
AC current (A)	10A	±(0.75%+20)	±(0.75%+20)	±(0.75%+20)
Resistance (Ω)	40MΩ 60MΩ	±(0.05%+2)		
Conductance (nS)	60nS		±(0.05%+2)	±(0.05%+2)
Capacitance (F)	40mF 60mF	±(2.5%+5)	±(0.05%+2)	±(0.05%+2)
Frequency (Hz)	10Hz~10MHz	±(0.01%+5)	±(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		40000	60000	60000
4~20mA loop	0~100%		v	v
LoZ (ACV)	Around 3kΩ		v	v
Data storage		1000	9999	9999
Display type		LCD	EBTN	OLED
Category ratings		CAT III 1000V, CAT IV 600V		
Power		UT171A: 1.5V battery (R03) x 6; UT171B/C: 7.4V 2000mAh Li-ion battery		
Display		UT171A: 70.6mm x 49.5mm UT171B/C: 70.6mm x 35.3mm		
Product net weight		384g		
Product size		206mm x 95mm x 55mm		
Standard accessories		Batteries, test leads, point contact temperature probe, English manual USB interface cable, power adaptor (UT171B/C)		
Standard individual packing		Gift box, carrying bag		
Standard quantity per carton		5pcs		
Standard carton measurement		390mm x 310mm x 205mm		
Standard carton gross weight		5.6kg		
Optional accessories		Bluetooth adaptor (UT-D07)		



● UT-D07A