



UT61+/UT161 SERIES

1000V True RMS Digital Multimeters

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 applications. 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



- 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	$\pm(1\%+3)$	$\pm(1\%+3)$	$\pm(0.8\%+10)$
DC voltage (V)	1000V	$\pm(0.5\%+3)$	$\pm(0.5\%+3)$	$\pm(0.05\%+5)$
AC current (A)	10A 20A	$\pm(1.2\%+5)$	$\pm(1.2\%+5)$	$\pm(0.8\%+10)$
DC current (A)	10A 20A	$\pm(1\%+2)$	$\pm(1\%+2)$	$\pm(0.5\%+10)$
Resistance (Ω)	60M Ω 220M Ω	$\pm(1\%+2)$	$\pm(1\%+2)$	$\pm(0.5\%+10)$
Capacitance (F)	60mF 220mF	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
Frequency (Hz)	10MHz 220MHz	$\pm(0.1\%+4)$	$\pm(0.1\%+4)$	$\pm(0.01\%+5)$
Duty cycle (%)	0.1%~99.9%	$\pm(2\%+5)$	$\pm(2\%+5)$	$\pm(2\%+5)$
Temperature ($^{\circ}\text{C}/^{\circ}\text{F}$)	-40 $^{\circ}\text{C}$ ~1000 $^{\circ}\text{C}$ -40 $^{\circ}\text{F}$ ~1832 $^{\circ}\text{F}$		$\pm(1\%+3)$ $\pm(1\%+6)$	
Display count		6000	6000	22000
Bandwidth (Hz)		40Hz~500Hz	40Hz~1kHz	40~10kHz
LPF ACV				V
LoZ ACV			V	
ACV+DCV				V
Transistor hFE				V
Peak hold			V	V
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