



UT171C Industrial True RMS Digital Multimeters

UNI-T's UT171C is a 60000 count True RMS auto range multimeter. It includes programmable square wave output, and has an OLED display.

Main features

1. 60000 count
2. 4~5 times/s sampling rate
3. 4~20mA loop percentage measurement
4. AC+DC measurement
5. VFC low-pass filtering
6. LoZ low impedance input
7. OLED display
8. MAX/MIN/AVG modes
9. Peaks hold
10. Analog bar: more intuitive, faster observation of dynamic signals
11. Li-ion battery; 200h battery life
12. USB/Bluetooth communication
13. 9999 data storage

Specifications	Range	Best Accuracy
Model		UT171C
DC Voltage (V)	600mV/6V/60V /600V/1000V	±(0.025%+5)
AC Voltage (V)	600mV/6V/60V /600V/1000V	±(0.4%+40)
DC Current (A)	600uA/6000uA/60mA /600mA/6A/10A	±(0.15%+2)
AC Current (A)	600uA/6000uA/60mA /600mA/6A/10A	±(0.75%+5)
Resistance (Ω)	600Ω/6kΩ/60kΩ /600kΩ/6MΩ/60MΩ	±(0.05%+2)
Admittance (S)	60ns	±(1.0%+10)
Capacitance (F)	6nF/60nF/600nF/6μF /600μF/6mF/60mF	±(2.5%+40)
Frequency (Hz)	10Hz ~ 10MHz	±(0.01%+5)
Temperature (°C)	-40°C ~ 1000°C	±(1.0%+3°C)
Temperature (°F)	-40°F ~ 1832°F	±(1.5%+5°F)
Features		
Display Count		60000 (EBTN)
Auto Range		√

Manual Range		√
True RMS		√
Bandwidth (Hz)	100kHz	√
AC+DC		√
V.F.C		√
4-20mA Loop	0-100%	√
LoZ (ACV)	Around 3kΩ	√
Continuity Buzzer		√
Diode	Around 3V	√
Duty Cycle	0.1% ~ 99.9%	√
NCV		√
Data Hold/MAX/MIN		√
Peak Hold		√
Relative Mode		√
Trend Capture		√
MAX/MIN		√
Data Storage		9999
Display Type		OLED
LCD Backlight		√
Analog Bar Graph		31
USB Interface		√
Mis-Plug Alarm		√
Low Battery Indication		√

Auto Power Off	Around 15 minutes	√
Re-Chargeable Battery		√
Input Protection		√
Input Impedance for DCV	≥10MΩ	√
General Characteristics		
Power	7.4V 2000mAh Li-ion Battery	
LCD Size	70.6mm × 35.3mm	
Product Color	Red and grey	
Product Net Weight	384g	
Product Size	206mm X 95mm X 55mm	
Standard Accessories	Batteries, Test Lead, Point Contact Temperature Probe, PC Software CD, USB Interface Cable, Power Aadtpr	
Standard Individual Packing	Gift Box, Carrying Bag, English Manual	
Standard Quantity Per Carton	20pcs	
Standard Carton Measurement	530mm × 360mm × 285mm	
Standard Carton Gross Weight	22kg	
Optional Accessories	Bluetooth Adaptor (UT-D07)	