

UNI-T®

UT181 SERIES

True RMS Datalogging Multimeters

UT181A



UL 61010-1
EN 61010-1
EN 61010-2-033
EN 61326-1



NEW

SPECIFICATIONS



■ UT181A

Specifications	Range	Best Accuracy
Model		
DC Voltage (V)	60mV/600mV/6V/60V/600V/1000V	UT181A ±(0.025%+5)
AC Voltage (V)	60mV/600mV/6V/60V/600V/1000V	±(0.3%+30)
DC Current (A)	600µA/6000µA/60mA/600mA/10A	±(0.08%+10)
AC Current (A)	600µA/6000µA/60mA/600mA/10A	±(0.6%+20)
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(0.05%+2)
Admittance(S)	60nS	±(2%+10)
Capacitance (F)	60nF/600nF/6µF/60µF/600µF/6mF/60mF	±(2%+10)
Frequency (Hz)	10Hz-60MHz	±(0.01%+5)
Temperature (°C)	-40 °C-1000°C	±(1%+30)
Temperature (°F)	-40°F--1832°F	±(1.5%+50)
Features		
Display Count		60000
Auto Range		✓
Manual Range		✓
True RMS		✓
Bandwidth (Hz)	100kHz	✓
AC + DC		✓
Low Pass Filter	1 kHz(-3db)	✓
dBV/dBm		✓
Continuity Buzzer		✓
Diode	Around 3V	✓
Duty Cycle	0.1% ~ 99.9%	✓
Dual Temperature Measurement	T1, T2, T1-T2, T2-T1	✓
Data Hold		✓
Peak Hold		✓
Relative Mode		✓
Data Logging	20000	✓
Trend Capture		✓
MAX/MIN/AVG		✓
Date Time Display		✓
Data Comparison		✓
Display Type	3.5 Inches 64k Color TFT LCD (320 × 240)	✓
Backlight Adjustment		✓
Analogue Bar Graph	61	✓
USB Interface		✓
Mis-Plug Alarm		✓
Low Battery Indication		✓
Auto Power Off		✓
Re-Chargeable Battery		✓
Input Protection		✓
Input Impedance for DCV	Around 10MΩ	✓

GENERAL CHARACTERISTICS

Power	7.4V 3000mAh Li-ion Battery
LCD Size	70mm × 52mm
Product Color	Red and Grey
Product Net Weight	638.6 g
Product Size	103mm × 225mm × 59mm
Standard Accessories	Batteries, Test Lead, Temperature Adaptor, Point Contact Temperature Probe x 2, Power Adaptor, PC Software CD, USB Interface Cable
Standard Individual Packing	Gift Box, Carrying Bag, English Manual
Standard Quantity Per Carton	12 PCs
Standard Carton Measurement	485mm × 450mm × 260mm (0.057 CBM Per Standard Carton)
Standard Carton Gross Weight	14 Kg
Optional Accessories	Bluetooth Adaptor (UT-D07A)