

## UT81 SERIES

### Scope Digital Multimeters

UT81 series handheld digital oscilloscope multimeters combine oscilloscope and digital multimeter in one. Oscilloscope measurement mode includes signal input, data processing, auto measure, waveform storage, and transfer. Multimeter mode features AC/DC voltage and current, resistance, diode, continuity, frequency, duty ratio, and capacitance.



● UT81C

- Low battery indication
- USB interface
- Duty cycle:0.1~99.9%
- Diode/LCD backlight
- Auto range/auto power off
- Display: 160 x 160 monochrome
- Trigger types: Auto run/Normal/Single shot
- Memory: 10 screens and setups
- Contrast and brightness setup
- Continuity buzzer

SPECIFICATION	Range	UT81B	UT81C
Certificates	CE, RoHS		
<b>DMM Specifications</b>			
DC voltage (V)	1000V	±(0.8%+8)	±(0.8%+8)
AC voltage (V)	750V	±(1%+15)	±(1%+15)
DC current (A)	10A	±(1%+8)	±(1%+8)
AC current (A)	10A	±(1.5%+8)	±(1.5%+8)
Resistance (Ω)	40MΩ	±(1%+5)	±(1%+5)
Capacitance (F)	100μF	±(3%+8)	±(3%+8)
Frequency (Hz)	10Hz-10MHz	±(0.1%+3)	±(0.1%+3)
<b>Scope Specifications</b>			
Bandwidth		8MHz	16MHz
Sampling rate		40MS/s	80MS/s
Vertical accuracy		±(5%+1)	±(5%+1)
Vertical sensitivity		20mV/div-500V/div (1-2-5)	
Display count		4000	4000
Time-base accuracy		±(0.01%+1)	±(0.01%+1)
Time-base range		UT81B: 100ns/div -5s/div (1-2-5); UT81C: 50ns/div -5s/div (1-2-5)	
Category ratings		CAT III 600V	
<b>GENERAL CHARACTERISTICS</b>			
Power		1.5V battery (R6) x 4	
Display		60mm x 60mm	
Product net weight		498g	
Product size		200mm x 100mm x 48mm	
Standard accessories		Batteries, test lead, alligator clip, USB interface cable	
Standard individual packing		Gift box, English manual	
Standard quantity per carton		5pcs	
Standard carton measurement		485mm x 450mm x 260mm	
Standard carton gross weight		UT81B: 9.55kg; UT81C: 6.83kg	
Optional accessories		Scope probe, AC power adaptor	

## UT71 SERIES

### Intelligent Digital Multimeters

UT71 series can quickly solve complex problems on electronics, factory automation, distribution and electronic engineering equipment. UT71 series can set upper and lower limits, a very useful feature for improving electronics mass production inspection and screening efficiency.



● UT71E

- Adjustable data recording interval (UT71B/C/D/E)
- Temperature measurement, k-type (UT71B/C/D/E)
- True RMS, duty cycle, continuity buzzer
- MAX/MIN/REL modes; peak/data hold; analog bar graph
- 4-20mA loop test (UT71B/C/D/E)
- 45Hz-100kHz frequency response
- LCD backlight; misplug alarm
- Auto power off, low battery indication
- Data logging
- Auto and manual ranges selectable
- USB interface, Bluetooth
- 2500W power measurement (UT71E)



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

SPECIFICATION	Range	UT71A	UT71B	UT71C	UT71D	UT71E
Certificates	CE, RoHS					
DC voltage (V)	1000V	±(0.1%+8)	±(0.05%+5)	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.8%+40)	±(0.6%+40)	±(0.4%+30)	±(0.4%+30)	±(0.4%+30)
DC current (A)	10A	±(0.2%+20)	±(0.15%+20)	±(0.1%+15)	±(0.1%+15)	±(0.1%+15)
AC current (A)	10A	±(1%+15)	±(0.8%+15)	±(0.7%+15)	±(0.7%+15)	±(0.7%+15)
Resistance (Ω)	20MΩ 40MΩ	±(0.5%+20)	±(0.4%+20)			
Capacitance (F)	20mF 40mF	±(1.5%+20)	±(1.2%+20)	±(1%+20)	±(1%+20)	±(1%+20)
Frequency (Hz)	20Hz-200MHz 40Hz-400MHz	±(0.1%+15)	±(0.1%+15)			
Temperature	-40°C-1000°C -40°F-1832°F		±(1%+30)	±(1%+30)	±(1%+30)	±(1%+30)
Display count		20000	20000	40000	40000	40000
Category ratings		CAT III 1000V, CAT IV 600V				
<b>GENERAL CHARACTERISTICS</b>						
Power		9V battery (6F22)				
Display		73mm x 50mm				
Product net weight		384g				
Product size		200mm x 93mm x 40mm				
Standard accessories		Battery, test leads, alligator clip, test clips, USB interface cable, power adaptor (UT71E) point contact temperature probe (UT71B/UT71C/UT71D/UT71E), English manual				
Standard individual packing		Gift box, carrying bag				
Standard quantity per carton		10pcs				
Standard carton measurement		UT71A/UT71B/UT71C/UT71D: 515mm x 380mm x 205mm; UT71E: 540mm x 360mm x 275mm				
Standard carton gross weight		UT71A/UT71B/UT71C/UT71D: 9.8kg; UT71E: 12.5kg				