

UT8000E Series

Benchtop Digital Multimeters



● UT8802E



● UT8804E



● UT8803E



● UT8805E

The UT8000E Series is a new generation of reliable, cost effective, full capabilities digital multi-meters. With measuring DCV, ACV, DCI, ACI, Resistance (2&4 Wire), Capacitance, Inductance, Diode Test, Frequency and Temperature. The Series is not only designed for simple and efficient bench top use, but also includes providing a variety of auxiliary functions, communication interfaces, software options for data logging and remote programming to help meet the needs of test and measurement applications in process testing, teaching experiments and inspection occasions.

The series includes four models, UT8802E/03E/04E/05E, providing customers with more choices, it can fit any DMM application with speed, accuracy, reliability, and efficiency well beyond its price.

- Maximum reading 199999 display count 5½ bit resolution
- Manual and automatic range, TRMS
- Up to 5k rdgs/s sampling rate
- Multiple mathematical operations
- Multifunctional measurement, double display function, Graphical user interface
- Arbitrary sensor measurement
- Built-in thermocouple cold junction compensation
- 1Gb flash memory storage which can support up to 10k data recall
- 4.3 inches TFT-Lcd, display resolution 480 x 272

Technical Specifications	UT8802E	UT8803E	UT8804E	UT8805E
Display count	19999	5999	59999	199999
DCV Accuracy	0.1%	0.3%	0.025%	0.015%
Sampling speed	2~3rdgs/s	2~3rdgs/s	2~3rdgs/s	5k rdgs/s
DC voltage (V)	200mV/2V/20V/ 200V/1000V	1000V	1000V	1000V
AC voltage (V)	2V/20V/200V/750V	750V	1000V	750V (45Hz~100kHz)
DC current (A)	200μA/2mA/20mA/ 200mA/20A	10A	10A	10A
AC current (A)	2mA/20mA/200mA/20A	10A	10A	10A
Capacitance (F)	100mF	6mF	60mF	2mF
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/ 2MΩ/200MΩ	60MΩ	60MΩ	100MΩ
Inductance (H)		100H		
Conductance (nS)			60nS	
Temperature (°C/°F)		-40°C~1000°C	-40°C~1000°C	-270°C~1370°C
Frequency (Hz)	200Hz~10MHz	600Hz~20MHz	60Hz~60MHz	20Hz~1MHz
Duty cycle (%)	5%~99%	5%~95%	10%-90%	
Frequency response (Hz)	1kHz	100kHz	100kHz	100kHz
Range	Manual	Manual,Auto	Manual,Auto	Manual,Auto
Input impedance for DCV	10MΩ	10MΩ	10MΩ	<20V: 10GΩ Other:10MΩ
True RMS		√	√	√
Diode/Continuity	√	√	√/-	√
SCR/Transistor hFE	√	√		
Hold	√	√	√	√
LCD backlight	√	√	√	√
AC+DC measurement			√	
Data storage			20000	10000; 1Gb flash memory
Arbitrary sensor measurement				√
Dual display measurement				√
Mathematical operations				√
Interface	USB Device	USB Device	USB Device	USB Host, USB Device, LAN, RS-232
Power	UT8802E/8803E/8804E: 100V/120V/220V/240V ±10%, 47Hz~63Hz; UT8805E: AC 100V~120V: 45Hz~440Hz; AC 200V~240V: 45Hz~66Hz			
Display	UT8802E/8803E: EBTN; UT8804E/8805E: 4.3 inches TFT LCD			
Product net weight	UT8802E/8803E: 3.09kg; UT8804E: 3.7kg; UT8805E: 4.4kg			
Product size (W×H×D)	UT8802E/8803E: 265mm x 110mm x 320mm; UT8804E/8805E: 239mm x 109mm x 344mm			
Standard quantity per carton	2pcs			
Standard carton size	380mm x 330mm x 320mm			
Standard carton gross weight	UT8802E/8803E:9kg, UT8804E: 9.5kg, UT8805E: 10.5kg			

Ordering Information	
UT8000E Series	UT8805E: Benchtop Digital Multimeter: Display:199999,0.015%,Range:Auto
	UT8804E: Benchtop Digital Multimeter: Display:59999,0.025%,Range:Manual/Auto
	UT8803E: Benchtop Digital Multimeter: Display:5999,0.3%,Range:Manual
	UT8802E: Benchtop Digital Multimeter: Display:19999,0.1%,Range:Manual
Standard Accessories	International standard power cord
	USB interface cable
	RS232C interface cable (only UT8805E)
	Test leads
	Simple test lead with alligator
Optional accessory	Temperature probe (UT8803/4/5E)
	GPIB (Only 8805E)


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