Handheld Digital Multimeter with Bluetooth

multicompPRO

Features

- 41/2 bit resolution (20000 counts)
- Data Logger + Multimeter + Thermometer
- True RMS test supported
- BLE 4.0 wireless transmission, more stable, less power consumption
- Build-in offline record function
- Chart and Diagram mode helps to analyze the data tendency
- Flashlight function lightens the darkness
- Support NCV non-contact voltage sense
- Widely supported on Android, iOS, windows

RoHS Compliant

Specification

Note: When measuring AC voltage/current or capacitance, accuracy guarantee range is 5% to 100% of the range.

Characteristics	Instruction
Display	19999
Frequency Response (Hz)	40 Hz to 1000 Hz
Sample rate for digital data	3 times/second
Bluetooth	√
Auto ranging	√
True RMS	√
Diodes Test	√
Sleep Mode	√
Continuity Test	√
NCV function	√
Flashlight	√
Low battery indication	√(The "▭" is displayed when the battery is under the proper operation range.)
Data Hold	√
Relative Measurement	√
LCD Backlight	√
Input Protection	√
Input Impedance	≥ 10 MΩ
Battery	9V Battery (6F22)
LCD Size	58.5 mm × 41 mm
Weight (without package)	0.32 kg
Dimension	190 mm × 90 mm × 56 mm
Working temperature	0°C to 40°C
Storage temperature	-10°C to +60°C
Relative Humidity	≤ 80%
Altitude	Operating: 3,000 meters Non-operating: 15,000 meters

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Function		Measurement Range	Resolution	Function	
DC Voltage (V)	mV[1]	20mV	0.001mV	±(0.05%+10dig)	
		200mV	0.01mV		
	V	2V	0.1mV	±(0.1%+2dig)	
		20V	1 mV		
		200V	10mV		
		1000V	0.1V	±(0.15%+5dig)	
AC Voltage (V)	mV[1]	20mV	0.001mV	VRMS Freq range: 40Hz-1000Hz	±(0.5%+10dig)
		200mV	0.01mV		
	V	2V	0.1mV		
		20V	1mV		
		200V	10mV		
		750V	0.1V		±(0.8%+10dig)
DC Current (A)	µA	200µA	0.01µA	±(0.5%+10dig)	
	mA	2mA	0.1µA		
		20mA	1µA		
		200mA	10µA		
	A	20A [2]	1mA	±(2.0%+10dig)	
AC Current (A)	µA	200µA	0.01µA	VRMS Freq range: 40Hz-1000Hz	±(0.8%+10dig)
	mA	2mA	0.1µA		
		20mA	1µA		
		200mA	10µA		
	A	20A [2]	1mA		±(2.5%+10dig)
Resistance (Ω)		200Ω	0.01Ω	±(0.5%+10dig)	
		2kΩ	0.1Ω	±(0.3%+3dig)	
		20kΩ	1Ω	±(0.3%+1dig)	
		200kΩ	10Ω		
		2MΩ	100Ω		
		20MΩ	1kΩ	±(0.5%+1dig)	
		200MΩ	10kΩ	±(5%+10dig)	
Capacitance (F)		2nF	0.1pF	±(3.0%+10dig)	
		20nF	1pF		
		200nF	10pF		
		2µF	100pF		
		20µF	1nF		
		200µF	10nF		
		2mF	100nF		
		20mF [3]	1µF		

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Function	Measurement Range	Resolution	Function
Frequency [4] (Hz)	200Hz	0.01Hz	±(0.1%+4dig)
	2kHz	0.1Hz	
	20kHz	1Hz	
	200kHz	10Hz	
	2MHz	0.1kHz	
	20MHz	1kHz	
Duty Cycle [5] (%)	0.1% - 99.9% (Typical: Vrms=1 V, f=1 kHz)	0.1%	±(1.2%+3dig)
	0.1% - 99.9%(≥1 kHz)		±(2.5%+3dig)
Temperature (°C/°F)	-50°C to 400°C	0.1°C	±(1.0%+3°C)
	-58°F to 752°F	0.1°F	±(1.2%+6°F)

[1] The rotary switch position $\overset{\approx}{mV}$ is only for specific models.

[2] When measuring current, for 10 A to 15 A, the measuring duration should not be over 2 minutes within 10 minutes, and in this 10 minutes, no other current should flow through except within the measuring duration; for 15 A to 20 A, the measuring duration should not be over 10 seconds within 15 minutes, and in this 15 minutes, no other current should flow through except within the measuring duration.

[3] When measuring capacitance, for the 20.00mF range, the measuring duration should be over 30 seconds.

[4] When measuring frequency, the typical waveform is Square or Sine. The signal meets the following conditions.

Frequency	Amplitude (rms)
1 Hz – 4 MHz	≥ 100 mV
4 Hz – 8 MHz	≥ 200 mV
8 Hz – 10 MHz	≥ 300 mV

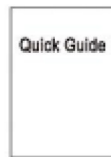[5] When measuring duty cycle, the typical waveform is Square.

Accessories

Multimeter Leads

K-type thermocouple

Quick guide

9V battery (6F22)

Bolt driver

Alligator Clips

Standard Warranty : 12 Months

Part Number Table

Description	Part Number
Handheld Digital Multimeter with Bluetooth, 4-1/2 Digits	MP730624

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