

Benchtop Digital Multimeter **multicomp** PRO



**RoHS
Compliant**

Features

- 3.5 inch high resolution LCD, providing a clear display
- Display max 55,000 counts, DC voltage accuracy up to 0.05%
- Multiple measurement functions: DC/AC Voltage, DC/AV Current, resistance, capacitance measurement, continuity test, diode test, temperature measurement, AC and frequency (AC + Hz) measurement, Max/Min/average measurement (REL_%)
- Reading rates upto 65 readings per second
- AC True RMS measurement, measurement bandwidth: 20 Hz to 1kHz
- Manual or auto record the measured data into internal memory, and displayed in table
- SCPI supported, remote control the multimeter through PC software via USB (orRS232) port
- AC Power supply for continuous use, maintenance-free

General Specifications

Display Screen	3.5-inch TFT LCD with resolution 480 × 320
Operating Environment	Full temperature from 0°C to 50°C, 80% RH and 40°C, non-condensing Storage Temperature: -20°C to +70°C
Remote Interface	RS232 or USB Device
Programmer Language	Standard SCPI, compatible with commands of main stream multimeters
Warm Up Time	30 minutes
Dimension (W×H×D)	200mm × 86.5mm × 64mm
Weight	0.45 kg
Warranty	03 years

Technical Specifications

Function	Range ^[1]	Resolution	Accuracy: ± (% of reading + LSB) ^[2]
DC Voltage	50.000mV	0.001mV	0.1% + 10
	500.00mV	0.01mV	0.05% + 5
	5.0000V	0.0001V	0.05% + 5
	50.000V	0.001V	0.05% + 5
	500.00V	0.01V	0.1% + 5
	1000.0V ^[3]	0.1V	0.1% + 10
True RMS AC Voltage ^[4]	500mV – 750V	20Hz – 45Hz	1% + 30
		45Hz – 65Hz	0.5% + 30
		65Hz – 1kHz	0.7% + 30

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Function	Range ^[1]	Resolution	Accuracy: \pm (% of reading + LSB) ^[2]
DC Current	500 μ A	0.01 μ A	0.15% + 20
	5000 μ A	0.1 μ A	0.15% + 10
	50mA	0.001mA	0.15% + 20
	500mA	0.01mA	0.15% + 10
	5A	0.0001A	0.5% + 10
	10 A ^[5]	0.001A	0.5% + 10
True RMS AC Current ^[6]	500 μ A – 500mA	20Hz – 1kHz	0.5% + 20
	5A – 10A		1.5% + 20
Resistance ^[7]	500 Ω	0.01 Ω	0.15% + 10
	5k Ω	0.0001k Ω	0.15% + 5
	50k Ω	0.001k Ω	0.15% + 5
	500k Ω	0.01k Ω	0.15% + 5
	5M Ω	0.0001M Ω	0.3% + 5
	50M Ω	0.001M Ω	1% + 10
Diode	3.0000V	0.0001V	1% + 10
Continuity	1000 Ω	0.1 Ω	Adjustable threshold
Frequency	10.000Hz – 60MHz ^[8]	/	\pm (0.2% + 10)
Capacitance ^[9]	50nF – 500 μ F	/	2.5% + 10
	5mF – 50mF	0.1 Ω	5% + 10
Temperature	K type, PT100		
Display	55,000		
Record Interval	15mS – 9999.999 S		
Record Length	1,000 points		

Notes:

- ^[1]Specifications are for 30-minute warm-up, "Low" measurement rate and calibration temperature 18°C - 28°C.
- ^[2]10% over range on all ranges, except 1,000V DCV, 750 ACV, 10A DCI, 10A ACI, 50M Ω resistance, and 50mF capacitance.
- ^[3]For each additional volt over \pm 500V DC add 0.02mV of error.
- ^[4]Specifications are for amplitude of sine wave input >5% of range. 0.1% errors will be added when the range of input sine wave is 1% to 5%.
- ^[5]30 seconds OFF after 30 seconds ON is recommend for the continuous current that higher than DC 7A or AC RMS 7A.
- ^[6]Specifications are for amplitude of sine wave input > 0.5% of range. For inputs from 1% to 5% of range, add 0.1% of range extra error.
- ^[7]Specifications are for 2-wire ohms using the relative operation of math. Without relative operation, add \pm 0.2 Ω additional error in 2-wire ohms function.
- ^[8]Except for special marks, when frequency \leq 10M Hz, the specification is applicable to >1V AC input voltage, when frequency > 10 MHz, the specification is applicable to >3V AC input voltage.
- ^[9]Specifications are for using the relative operation of math. Using of non-film capacitor may generate additional errors. Specifications are for from 5% to 110% on ranges.

DMM can only test the DC current, can't use as load. DMM can't always test DC current. 30S is enough for testing current.

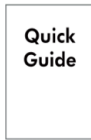
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Accessories

The accessories subject to final delivery.



Power Cord



Quick Guide



USB Cable



Multimeter Lead



Fuse

Part Number Table

Description	Part Number
Benchtop Digital Multimeter, 3.5" LCD, 55000 Counts	MP730889

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