

# Bench-type True RMS Digital Multimeter

**multicomp** PRO



## Features

- 4" 480 × 320 pixels high resolution LCD Display
- Resolutions up to 5-1/2 digits
- Reading rates up to 150 readings/s
- True RMS AC voltage / current measurement
- Dual line display supported
- Data-logger Function
- The change trend analysis accessible via special chart mode
- SCPI supported - remote control, and data-sharing possible via LAN, USB, RS232 port, and WiFi (WiFi module is optional)
- Multi-IO interface: USB Device / Host, RS232, LAN, and ext. trigger input

## Performance Specifications

Parameters	Measurement Range	Frequency Range	Accuracy: 1 Year ± (% of reading + % of range)
DC Voltage	200mV, 2V, 20V, 200V, 1000V	-	0.015 ± 0.004
True RMS AC Voltage	200mV, 2V, 20V, 200V, 750V	20Hz - 45Hz	1.5 + 0.10
		45Hz - 20kHz	0.2 + 0.05
		20kHz - 50kHz	1.0 + 0.05
		50kHz - 100kHz	3.0 + 0.05
DC Current	200.000µA 2.00000mA 20.0000mA 200.000mA 2.00000A 10.0000A	-	0.055 + 0.005
			0.055 + 0.005
			0.095 + 0.020
			0.070 + 0.008
			0.170 + 0.020
			0.250 + 0.010
True RMS AC Current	20.0000mA, 200.000mA, 2.00000A, 10.0000A	20Hz - 45Hz	1.5 + 0.10
		45Hz - 2kHz	0.50 + 0.10
		2kHz - 10kHz	2.50 + 0.20
Resistance	200.000Ω 2.00000kΩ 20.0000kΩ 200.000kΩ 2.00000MΩ 10.0000MΩ 100.000MΩ	-	0.030 + 0.005
			0.020 + 0.003
			0.020 + 0.003
			0.020 + 0.003
			0.040 + 0.004
			0.250 + 0.003
			1.75 + 0.004
Diode Test	2.0000V	-	0.05 + 0.01
Continuity	2000Ω	-	0.05 + 0.01

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Parameters	Measurement Range	Frequency Range	Accuracy: 1 Year $\pm$ (% of reading +% of range)
Frequency Period	200mV - 750V	20Hz - 2kHz	0.01 + 0.003
		2kHz - 20kHz	0.01 + 0.003
		20kHz - 200kHz	0.01 + 0.003
		200kHz - 1MHz	0.01 + 0.006
	20mA - 10A	20Hz - 2kHz	0.01 + 0.003
		2kHz - 10kHz	0.01 + 0.003
<b>Test Current</b>			
Capacitance	2.000nF	200nA	3 + 1.0
	20.00nF	200nA	1 + 0.5
	200.0nF	2 $\mu$ A	1 + 0.5
	2.000 $\mu$ F	10 $\mu$ A	1 + 0.5
	200 $\mu$ F	100 $\mu$ A	1 + 0.5
	10000 $\mu$ F	1mA	2 + 0.5
Temperature	Temperature sensors under 2 categories supported - Thermocouple (ITS-90 conversion between B / E / J / K / N / R / S / T type), and thermal resistance (RTD sensor conversion between Pt100 and Pt385 type)		
Other functions	Bar meter, histogram, trend chart, Max. Min. value, average value, standard deviation, DB / DBm, Pass / Fail		
<b>Data-logger Function</b>			
Logging Duration	5ms		
Logging Length	1M points		
<b>General</b>			
Dimension (W $\times$ H $\times$ D)	235mm $\times$ 110mm $\times$ 295mm		
Weight (without package)	3kg		
Standard Accessories Included	Multimeter Lead, USB cable, Manual, Fuse, Alligator Clip, Power cord		
Power Supply	100V AC to 240V AC, 50/60Hz		
Power Cord Plug Type	US		
Warranty	12 months		

## Part Number Table

Description	Part Number
Bench-type True RMS Digital Multimeter	MP730028 US

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