

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

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

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Benchtop Digital Multimeter **multicomp** PRO

Function	Range ^[1]	Resolution	Accuracy: ± (% of reading + LSB) ^[2]
DC Current	500µA	0.01µA	0.15% + 20
	5000µA	0.1µA	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]	500µA – 500mA	20Hz – 1kHz	0.5% + 20
	5A – 10A		1.5% + 20
Resistance ^[7]	500Ω	0.01Ω	0.15% + 10
	5kΩ	0.0001kΩ	0.15% + 5
	50kΩ	0.001kΩ	0.15% + 5
	500kΩ	0.01kΩ	0.15% + 5
	5MΩ	0.0001MΩ	0.3% + 5
	50MΩ	0.001MΩ	1% + 10
Diode	3.0000V	0.0001V	1% + 10
Continuity	1000Ω	0.1Ω	Adjustable threshold
Frequency	10.000Hz – 60MHz ^[8]	/	± (0.2% + 10)
Capacitance ^[9]	50nF – 500µF	/	2.5% + 10
	5mF – 50mF	0.1Ω	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, 50MΩ resistance, and 50mF capacitance.
- ^[3]For each additional volt over ± 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 ±0.2Ω additional error in 2-wire ohms function.
- ^[8]Except for special marks, when frequency ≤ 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.

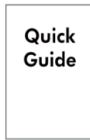
Benchtop Digital Multimeter **multicomp**PRO

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicompPRO