

Digital Multimeter

MDM-8165/8165A



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Digital Multimeter

- 6 1/2 resolution (MDM-8165A/MDM-8165)
- 3.5-inch color display screen (resolution ratio 320*480)
- Graphic display
- Double parameter display
- GPIB,RS-232, LAN ,USB interface are optional. functions of trigger input and output of measuring completion.
- Software could be updated by customers
- two-wire and four -wire resistance measurement , temperature measurement
- 10Ω and 1GΩ 's extension range current measurement capacity reaches up to 12A
- Many math functions
- Measuring speed: 0.02NPLC- 100NPLC
- Support SCPI language

Model	MDM-8165 (6 ½)	MDM-8165A (6 ½)
Display	3.5-inch color screen (resolution 320*480)	
Signal terminal	Front-end/back-end	
Maximum measurement speed	2500 readings per second	
Function	Items	Uncertainty,±(% measurement + % range)
DCV	Uncertainty	0.0035 ± 0.0005
	Measuring Range	0 mV~1000 V
	Maximum Resolution	100nV
ACV	Uncertainty	0.06 ± 0.03
	Measuring Range	1 mV~750 V
	Maximum Resolution	100nV
	Frequency range	3 Hz ~ 300 kHz
DCI	Uncertainty	0.05 ± 0.006
	Measuring range	0 μA ~ 12 A
	Maximum resolution	10 pA
Resistance	Uncertainty	0.10 ± 0.04
	Measuring range	1 μA ~ 12 A
	Maximum resolution	100 pA
	Frequency range	3 Hz ~ 10 kHz
Frequency /period	Uncertainty	0.01%
	Measuring range	3 Hz ~ 1 MHz
	Maximum resolution	1 μHz
Capacitance	Uncertainty	1 ± 0.3
	Measuring range	0 nF ~ 100 mF
	Maximum resolution	1 pF
On-off/diode	yes	
Proportion (DC:DC)	Reference range	100mV ~ 10 V
	Input range	100mV ~ 1000 V
Temperature	Type	Platinum resistance, thermistor, custom sensor
	Maximum resolution	0.001°C
Mathematical functions	Relative to (ax + b), maximum/minimum/average, standard deviation, dB, dBm, read retention, limit test	
Graphics	Histogram, trend graph	
Interface	RS-232,IEEE 488,LAN,USB Device,USB Host,Trig IN/OUT	
Programming language	SCPI Compatible with Agilent 34401A, 34410 and Fluke 45	
Data storage capacity	512K	
Net weight	2.6	
Gross weight	3.15	
Instrument size (W*H*D)	265*105*305	
Packing size (W*H*D)	335*210*435	