

MARTINDALE MM45 Digital Multimeter

● ● ● ELECTRIC (IEC1010 CAT. III 600V)



CE

SPECIFICATIONS


Display: 3½ digit liquid crystal display (LCD) with a maximum reading of 3200.

Analogue bar graph: 34 segments with measurements 12 times per second.

Polarity: Automatic, (-) negative polarity indication.

Overrange: "OL" mark indication.

Zero: automatic.

Low Battery Indication: The "  " is displayed when the battery voltage drops below the operating level.

Measurement rate: 2 times per second, nominal.

Operating environment: 0°C to 50°C at < 70% R.H.

Storage temperature: -20°C to 60°C, 0 to 80% R.H. with battery removed from meter.

Battery life: 200 hours typical with carbon-zinc.

Installation Categories: Category III: Fixed wiring and installations within a building.

Power: Single standard 9-volt battery, NEDA 1604, JIS 006P, IEC 6F22, PP3.

Dimensions: 147mm (H) x 70mm (W) x 39mm (D).

Weight: Approx. 340g including battery and holster.

Auto power off: Meter automatically shuts down after approx. 10 minutes of inactivity.

Accessories: F1 - 20 x 5mm 500mA 250V Ceramic FUSE500250 (pack of 3).

F2 - 1.25 x 0.25" 10A 600V Ceramic - FUSE10600 (pack of 3).
Fused test leads to GS38 specification - TL55. Soft foam lined carry case - TC55.

Calibration: £27.

	Range	DC Accuracy	AC Accuracy	Input Impedance	Maximum Input
Voltage (50/60Hz)	320mV	± 1.2% rdg+1d	N / A	> 1000MΩ	600VDC or 600VAC rms
	3.2V	± 0.8% rdg+1d	± 2.0% rdg+4d	11MΩ	
	32V	± 1.2% rdg+1d		10MΩ	
	320V				
	600V				
Current (50/60Hz)	Range	DC Accuracy	AC Accuracy	Voltage Burden	Input Protection
	320μA	± 2.0% rdg+1d	± 2.5% rdg+4d	0.2V	0.5A/250V fuse
	3200μA			2V	
	32mA			0.2V	
	320mA			2V	
10A	± 3.0% rdg+3d	± 3.5% rdg+4d	2V	10A/250V fuse	
OHM	Range	Resolution	Accuracy	Test Current	Input Protection
	320Ω	100mΩ	± 1.5% rdg+3d	< 0.7mA	500VDC or 500VAC rms
	3.2kΩ	1Ω		< 0.13mA	
	32kΩ	10Ω		< 13μA	
	320kΩ	100Ω		< 1.3μA	
	3.2MΩ	1kΩ		± 2.5% rdg+3d	
32MΩ	10kΩ	± 5.0% rdg+5d			
Diode Test	0-2000	1mV	± 10% rdg+2d	0.5mA (Vf = 0.6V)	500V DC or AC rms
Continuity Check	Range	Resolution	Audible Indication	Test Current	Input Protection
	320Ω	100mΩ	< approx. 20Ω	< 0.7mA	500V DC or AC rms