

MARTINDALE MM44 Digital Multimeter

● ● ● ELECTRIC

(IEC1010 CAT. III 600V)



CE

SPECIFICATIONS

Display: 3½ digit liquid crystal display (LCD) with a maximum reading of 1999.

Polarity: Automatic, positive implied, negative polarity indication.

Overrange: (OL) or (-OL) is displayed.

Zero: automatic.

Low Battery Indication: The “+ -” is displayed when the battery voltage drops below the operating level.

Measurement rate: 2.5 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.

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

Accuracy: Stated accuracy at 23°C ± 5°C, < 75% R.H.

Battery life: 200 hours typical with carbon-zinc.

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

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

Weight: Approx. 345g including battery and holster.

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

F2 - 1 x 1/4” 10A 600V ceramic - FUSE10600 (pack of 3).

Fused test leads to GS38 specification - TL55. Soft foam lined carry case - TC55.

Calibration: £27.

DC VOLTS

Ranges: 200mV, 2V, 20V, 200V, 600V

Resolution: 100µV

Accuracy: ± (0.8% rdg + 1 dgt)

Input impedance: 10MΩ

Overload protection: 600VDC or AC rms

AC VOLTS: (50Hz - 500Hz)

Resolution, Input impedance & Overload protection as DC Volts

Ranges: 200mV, 2V, 20V, 200V, 600V

Accuracy: ± (1.5% rdg + 3 dgts) on 200mV to 20V ranges

± (2.0% rdg + 3 dgts) on 200mV to 600V ranges

DC CURRENT

Ranges: 20mA, 200mA, 10A

Accuracy: ± (1.0% rdg + 1 dgts) on 20mA to 200mA ranges

± (3.5% rdg + 4 dgts) on 10A range

Input protection: 0.5A/250V fast blow ceramic fuse
10A/600V fast blow ceramic fuse

AC CURRENT: (50Hz - 500Hz)

Ranges & Input protection as DC Current

Accuracy: ± (2.0% rdg + 4 dgts) on 20mA to 200mA ranges

± (3.5% rdg + 4 dgts) on 10A range

RESISTANCE

Ranges: 200Ω, 2kΩ, 20kΩ, 200kΩ, 2000kΩ, 20MΩ, 2000MΩ

Accuracy: ± (1.0% rdg + 4 dgts) on 200Ω ranges to 2000kΩ

± (2.0% rdg + 4 dgts) on 20MΩ range

± [(5.0% rdg - 10 dgts) + 10 dgts] on 2000MΩ range

Open Circuit volts: 0.3V dc

Overload Protection: 500V DC or AC rms

CONTINUITY

Audible indication: Less than 100Ω

Overload Protection: 500V DC or AC rms

DIODE TEST

Test current: 0.8mA ± 0.3mA

Accuracy: ± (3.0% rdg + 1 dgt)

Open circuit volts: 3.0V dc typical

Overload protection: 500V DC or AC rms

CAPACITANCE

Ranges: 2nF, 20nF, 200nF, 2µF, 20µF

Accuracy: ± (4.0% rdg + 10 dgts) on all ranges

Test Frequency: 400Hz

TRANSISTOR hFE

Ranges: 0 - 1000hFE

Base current: 10µA dc approx. (Vce = 3.0V dc)

FREQUENCY (Autoranging)

Ranges: 2KHz, 20KHz, 200KHz, 2MHz, 15MHz

Accuracy: ± (0.5% rdg + 2 dgts) on all ranges

Sensitivity: 1V RMS min.

Duty: <40% and >60%

Overload Protection: 500V DC or AC rms.

LOGIC TEST

Threshold: Logic Hi (2.8 ± 0.8V) Logic Lo (0.8 ± 0.5V)

Overload Protection: 500V DC or AC rms.