

MARTINDALE MM84 Digital Multimeter

● ● ● ELECTRIC

(IEC1010 CAT. III 600V)



CE

SPECIFICATIONS

Display: 4½ digits, 17mm large LCD, maximum reading of 19999 or -19999 with function and unit annunciators.

Data Hold.

Overrange indication: "1" most significant digit blinks.

Measurement rate: 2.5 times per second.

Operating environment: 0°C to 50°C at <80% R.H.

Storage temperature: -20°C to 60°C, with battery removed.

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

Battery life: 300 hours typical with zinc carbon.

Dimensions: 189mm (H) x 87mm (W) x 37mm (D).

Weight: 12.9oz. (370g) including battery.

Calibration: £35

DC VOLTS

Ranges: 200mV, 2V, 20V, 200V, 1000V

Resolution: 10µV

Accuracy: 0.05% + 3 digits

Input impedance: 10MΩ

Overload protection: 1200VDC or peak AC

AC VOLTS: (True RMS)

Ranges: 200mV, 2V, 20V, 200V, 750V

Resolution: 10µV

Accuracy: 0.7% + 10 at 50Hz to 1KHz

2.0% + 10 at 1KHz to 5KHz

Input impedance: 10MΩ

Overload protection: 1200VDC or peak AC

DC CURRENT

Ranges: 200µA, 2mA, 20mA, 200mA, 20A

Resolution: 10nA

Accuracy: 0.5% + 5, except 20A range 1.0% + 10

Overload protection: 0.5A/600V fuse on mA, 20A/600V on 20A

AC CURRENT: (True RMS)

Ranges: 200µA, 2mA, 20mA, 200mA, 20A

Resolution: 10nA

Accuracy: 0.8% + 10, 1.5% + 10 on 20A range (50Hz to 1KHz)

Overload protection: 0.5A/600V fuse on mA, 20A/600V on 20A

RESISTANCE

Ranges: 200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ, 20MΩ

Resolution: 10mΩ

Accuracy: 0.15% + 3, 1.0% + 5 on 20MΩ range

Overload protection: 500VDC or peak AC

CONTINUITY

Audible indication: Less than 150Ω

Overload protection: 500VDC or peak AC

DIODE TEST

Open circuit volts: 3.5VDC, accuracy 0.5% + 1

Overload protection: 500VDC or peak AC

LOGIC INDICATOR

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

Input impedance: 120KΩ // 100pF

Indication: 40mS beep at logic low

Overload protection: 500VDC or peak AC

FREQUENCY COUNTER

Ranges: 2KHz, 20KHz, 200KHz

Accuracy: 0.5% + 3

Resolution: 0.1Hz

Sensitivity: 50mV rms Min.

Overload protection: 500VDC or peak AC

DUTY CYCLE

Ranges: 0 to 99.9%

Accuracy: 1.0% + 4 (5V Logic)

Overload protection: 500VDC or peak AC