



Key features

- True rms AC voltage to 750V
- DC voltage to 1000V
- True rms AC & DC current to 20A
- Resistance to 60M Ω
- Conductance to 60nS
- Capacitance to 6mF
- Frequency to 10MHz
- Duty cycle
- Temperature (K-type thermocouple)
- Continuity and diode testing
- Min / Max indication & display hold
- Peak hold measurement
- Selectable high frequency rejection
- Relative function
- Selectable 6000 or 60000 count display
- CAT IV 600V

The Martindale MM94 Digital multimeter is a high-performance True-RMS multimeter ideal for both electrical and industrial troubleshooting with a 600V CAT IV safety rating. It has an extended current measurement range of up to 20A for short-cycle measurements. Measurement capabilities include AC / DC voltage, capacitance, resistance and temperature with the included K Type thermocouple. Features include Min / Max and peak measurement and a high-frequency filter to optimise readings for distorted waveforms plus a relative mode.

The rugged design includes a 60,000-count backlit display with an analogue bar graph. The over moulded case will protect against damage in most typical environments. It also has an auto-power-off feature active after approximately 30 minutes, and an on-screen low battery indicator.

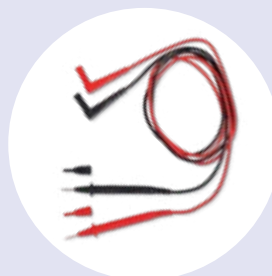
The unit is safety rated at BS EN61010-1 CAT IV 600V and supplied with unfused Martindale TL16 test leads, k-type thermocouple, spare fuse, battery and manual.

FUNCTION		
ELECTRICAL		
Display counts	60000	Auto ranging
DC VOLTS		
Range	600mV, 6V, 60V, 600V, 1000V	± (0.08% rdg + 5 digits)
Resolution (600mV range)	0.01mV	
AC VOLTS		
Range (45Hz TO 500Hz)	600mV, 6V, 60V, 600V	± (1.0% rdg + 20 digits)
Range (500Hz to 1kHz)	600mV, 6V, 60V, 600V	± (1.5% rdg + 20 digits)
Range	750V	± (2.0% rdg + 20 digits)
Resolution (600mV range)	0.01mV	
DC CURRENT		
Range	600uA, 6000uA, 60mA	± (0.5% rdg + 10 digits)
Range	400mA	± (1.0% rdg + 10 digits)
Range	20A	± (2.0% rdg + 10 digits)
Resolution (600uA range)	0.1uA	
AC CURRENT (50-500Hz)		
Range	600uA, 6000uA, 60mA, 400mA	± (1.5% rdg + 30 digits)
Range	20A	± (2.5% rdg + 30 digits)
Resolution (660uA range)	0.1uA	
RESISTANCE		
Range	600Ω, 6KΩ, 60KΩ, 600KΩ	± (0.3% rdg + 20 digits)
Range	6MΩ	± (1.0% rdg + 10 digits)
Range	60MΩ	± (3.0% rdg + 20 digits)
Resolution (600Ω range)	0.01Ω	
CONDUCTANCE		
Range	60nS	± (1.0% rdg + 10 digits)
Resolution	0.01nS	
CAPACITANCE		
Range	6nF	± (3.0% rdg + 30 digits)
Range	60nF, 600nF, 6uF, 60uF, 600uF	± (3.0% rdg + 10 digits)
Range	6mF	± (5.0% rdg + 10 digits)
Resolution (6nF range)	0.001nF	
FREQUENCY		
Range	60Hz to 10MHz	± (0.1% rdg + 10 digits)
Resolution (60Hz range)	0.001Hz	
DUTY CYCLE		
Range	5% to 80%	± (2.0% rdg + 10 digits)
Resolution	0.1%	
TEMPERATURE		
Range	0°C to 400°C	± (1.0% rdg + 1°C)
Range	-50°C to 0°C, 400°C to 1300°C	± (2.0% rdg + 3°C)
Resolution	0.1°C	
OTHER		
Diode Test	Audible indication / Accuracy ± (2.0% + 10 digits)	
Continuity test	Audible indication at less than 40Ω	
Backlight	Yes	
Bar Graph	Yes	
Data hold	Yes	
MIN/MAX Hold	Yes	
Relative mode	Yes	
Battery / auto power off	Standard 9V (On screen low battery indicator) / 30 minute auto power off	
Dimensions / weight	198mm (H) x 90mm (W) x 44 mm (D) / 285g	
Environmental	Storage -20°C to 60°C <80% Humidity	Operating 0°C to 50°C <70% Humidity
SAFETY		
Conforms to	BS EN61010-1 CAT IV 600V	

For full specification refer to the user manual

Included

TL16 Unfused test lead set
 TT1P K type thermocouple
 9V Battery Installed
 Instruction manual



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