

MM64

Digital multimeter



Key features

- AC & DC voltage to 600V
- AC & DC current to 200mA
- Resistance to 20M Ω
- Capacitance to 20mF
- Frequency to 40kHz
- Temperature to 750°C using Type K thermocouple
- Continuity with audible indication
- Diode testing
- Max/Min indication
- Display backlight
- Auto power off
- CAT III 600V

The Martindale MM64 is a manual ranging digital multimeter ideal for performing a wide range of measurement tasks. The unit can measure AC and DC voltages up to 600V and AC & DC currents from 0.1 μ A to 200mA. Resistance measurements can be made up to 20M Ω .

In addition, the MM64 can measure frequencies up to 40 kHz and capacitance from 0.01 μ F to 20 mF. It features a continuity test with a buzzer, a diode test, and is capable of measuring temperatures from -35°C to 750°C using the included K-type thermocouple.

The unit is equipped with a clear, large-digit backlit LCD display for ease of use, while the rugged, over-moulded case will protect against damage in most typical working environments. A battery-saving auto-power-off feature becomes active after approximately 25 minutes.

The MM64 is supplied with Martindale TL16 leads, spare fuse, K-type thermocouple, battery and manual and is safety rated at BS EN61010-1 CAT III 600V.

FUNCTION		
ELECTRICAL		
Display counts	1999	Manual ranging
DC VOLTS		
Range	200mV, 2000mV, 20V, 200V, 600V	± (0.5% rdg + 1 digit)
Resolution (200mV range)	0.1mV	
AC VOLTS (50 - 500HZ)		
Range	200mV, 2000mV, 20V	± (1.2% rdg + 4 digits)
Range	200V, 600V	± (2.0% rdg + 4 digits)
Resolution (200mV range)	0.1mV	
DC CURRENT		
Range	200uA, , 20mA, 200mA	± (1.0% rdg + 1 digit)
Resolution (200uA range)	0.1uA	
AC CURRENT (50-500HZ)		
Range	200uA, 66mA, 200mA	± (1.5% rdg + 4 digits)
Resolution (200uA range)	0.1uA	
RESISTANCE		
Range	200Ω, 2KΩ, 200KΩ	± (1.0% rdg + 4 digits)
Range	20MΩ	± (2.0% rdg + 4 digits)
Resolution (200Ω range)	0.1Ω	
CAPACITANCE		
Range	200μF, 2mF, 20mF	± (4.0% rdg + 10 digits)
Resolution (200uF range)	1uF	
FREQUENCY		
Range	2kHz, 20kHz, 40kHz	±(0.1% rdg + 3 digits)
Resolution (2kHz range)	0.1Hz	
TEMPERATURE		
Range	200°C, 750°C	-35°C to 0°C ± (3.0 % rdg + 3 °C) 0°C to 200°C ± (1.0 % rdg + 1 °C) 200°C to 750°C ± (3.0 % rdg + 3 °C)
Range	200°F, 1400°F	-30°F to 32°F ± (3.0 % rdg + 6 °F) 32°F to 400°F ± (1.0 % rdg + 2 °F) 400°F to 1400°F ± (3.0 % rdg + 6 °F)
Resolution (200°C/200°F ranges)	0.1°C / 0.1°F	
OTHER		
Diode Test	Accuracy ± (1.5% + 3 digits)	
Continuity test	Audible indication at less than 100Ω	
MIN/MAX Hold	Yes	
Auto power off	Approx. 25 minutes	
Battery	Standard 9V (on screen low battery indicator)	
Dimensions	165 x 78 x 42.5 mm / 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 III 600V	

Included

TL16 test leads
 Spare 0.5A/500V, fast acting ceramic fuse
 9V battery (installed)
 Instruction manual



Martindale Electric Co. Ltd.
 Metrohm House, 12 Imperial Park,
 Imperial Way, Watford WD24 4PP.
 T:+44 (0)1923 44 17 17
www.martindale-electric.co.uk
sales@martindale-electric.co.uk

Ver. F1.0

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. © 2025 Martindale Electric Co. Ltd.