

DIGITAL MULTIMETER MD-200B



The **MD-200B** digital multimeter brings together the basic features of a professional instrument such as high accuracy, reliability and a wide range of measurements.

The reading system using an LCD display and ease of handling means it can be used both in laboratories and on production lines. Its reliability of use also makes it very suitable for training.

It will allow measurements to be taken of current up to 10 A and reading of direct voltage diode drops.

It includes functions such as HOLD, continuity sound signal, AUTO and manual range among others. Rear illuminated display makes reading comfortable even in the dark.

Input connectors are separated by the measurements of V/W and A respectively.

It can be powered both through the mains supply and by battery.

SPECIFICATIONS	MD-200B	Continuity testing	Indication threshold: approx. 50 Ω
DC Voltage Ranges Resolution Accuracy Input impedance Protection	400 mV - 4 V - 40 V - 400 V - 6000 V 100 μV, 400 mV range ± 0.6 % reading ± 2 digits, 400 mV range ± 0.4 % reading ± 2 digits, 4 to 6000 V ranges 10 MΩ, < 100 pF 1100 V DC or V _{AC} peak	Diode testing Test current Open circuit voltage	0.6 mA 3.0 V DC
AC Voltage Ranges Resolution Basic accuracy Input impedance Protection	4 V - 40 V - 400 V - 600 V 1 mV, 4 V range ± 0.8 % reading ± 5 digits (50 to 60 Hz) ± 1.3 % reading ± 5 digits (40 to 1 KHz) 10 MΩ // < 100 pF 1100 V DC or V _{AC} peak	Capacitance Ranges Resolution Accuracy Protection	4 nF, 40 nF, 400 nF, 4 μF, 400 μF 1 pF, 4 nF range ± 1% reading ± 40 digits, 1 pF range ± 1% reading ± 4 digits, 40 nF to 40 μF (≤ 20 μF) ± 5% reading ± 8 digits (≥ 20 μF) 600 V DC or AC rms
DC Current Ranges Resolution Accuracy Protection	4 mA - 40 mA - 400 mA - 10 A 100 μA, 400 mA range ± 0.75 % reading ± 2 digits (4 mA to 400 mA) ± 1.5 % reading ± 4 digits (10 A) By means of fuses in mA and A inputs	Frequency counter Ranges Resolution Accuracy Protection	100 Hz - 1 kHz - 10 kHz - 100 kHz - 1 MHz 0.01 Hz, 100 Hz range ± 0.1% reading ± 4 digits 600 V DC or AC rms
AC Current Ranges Resolution Accuracy Protection	4 mA - 40 mA - 400 mA - 10 A 100 μA, 400 mA range ± 1.5 % reading ± 5 digits, 4 to 400 mA ranges ± 2.5 % rdg. ± 5 dig. (40 Hz to 1 kHz) 10 A range By means of fuses in both inputs	ADAPT measurement Indication Accuracy Protection	10 units of the lowest digit per mV= ± 0.3% ± 4 digits 600 V DC or rms AC
Resistance Ranges Resolution Basic accuracy Protection Test voltage	400 Ω - 4 kΩ - 40 kΩ - 400 kΩ - 4 MΩ - 40 MΩ 0.1 Ω, 400 Ω range ± 0.6% reading ± 3 digits, 400 Ω range ± 0.6 % reading ± 2 digits, 4 kΩ to 400 kΩ range ± 0.8 % reading ± 3 digits, 4 MΩ range ± 1.8 % reading ± 5 digits, 40 MΩ range 600 VDC or AC rms 0.45 V (LO Ω mode) or 0.9 V (Ω mode)	Display Display type Over range indication DC Polarity indication General Memory Measuring rate	3 ¾ digits LCD, backlighted blinking of the most significant digit Automatic Keeps the display value Approx. 2 measures per second 20 measures/second for bar graphic display
		Power supply Battery AC Supply Consumption Battery life	6 x 1.5 V optional. Size LR6 90 to 132 V or 198 to 250 AC / 50 - 60 Hz 10 W 1200 hours without backlighting
		Dimensions & weight Accessoires supplied	218 (W.) x 73 (H.) x 195 (d.) mm, 1.3 kg User manual, test leads, carrying strap, power cable