

Digital Multimeters

Safely and reliably calculate core electrical measurements

Get quality instruments that deliver consistent, reliable measurements without depleting your budget. These durable, handheld multimeters are an economical alternative to higher-priced instruments on the market today.

Features

- ◆ Reliable measurements, guaranteed! Precalibrated to NIST-traceable standards
- ◆ Autoranging on select models, automatically selects the optimal measuring range for maximum resolution
- ◆ Stay safe and prevent damage with overload protection
- ◆ Increased durability with double-molded plastic housing



20250-50

**Precalibrated &
Ready to Use!**

Three-in-One Digital Multimeter (20250-52)

- ◆ Three practical instruments in one: multimeter, noncontact voltage detector, and flashlight
- ◆ Permanently attached test leads so they don't get lost
- ◆ Diode check and continuity test included to check accuracy



20250-52



20250-53

Compact Digital Multimeters (20250-50, -51)

- ◆ CAT III-600 V designation for safety
- ◆ Available in manual ranging version
- ◆ Bright backlight display has 1.1" tall digits
- ◆ Model 20250-50 offers dedicated battery test function to check the quality of your 9 V and 1.5 V batteries

Industrial Digital Multimeters (20250-53, -54)

- ◆ CAT III-600 V and CAT III-1000 V ratings for safety
- ◆ IP67 rating for dustproof and waterproof protection
- ◆ Flashing red LED alerts you to presence of live voltage
- ◆ Model 20250-54 has True RMS for improved reading accuracy and an analog bar graph for viewing trends

Applications

- ◆ Electrical
- ◆ Industrial
- ◆ Laboratory
- ◆ HVAC
- ◆ R & D

Includes

Test leads (models 20250-50, -51, -52), carrying case (models 20250-50, -51) batteries, and NIST-traceable calibration report with data supplied by InnoCal.

*Calibration certificate provided by InnoCal®, an ISO17025 accredited laboratory (A2LA certificate 1746.01) offering a broad range of NIST-traceable calibration services.



20250-54



Description	3-in-1 DMM	Manual ranging DMM	Auto ranging DMM	Industrial DMM	True RMS industrial DMM
Catalog number	MW-20250-52	MW-20250-50	MW-20250-51	MW-20250-53	MW-20250-54
DC voltage	600 V	600 V	600 V	1000 V	1000 V
AC voltage	600 V	600 V	600 V	1000 V	1000 V
DC current	200 mA	10 A	10 A	10 A	10 A
AC current	200.0 mA	—	10 A	10 A	10 A
Resistance	20.00 MΩ	2.000 MΩ	40.00 MΩ	40.00 MΩ	40.00 MΩ
Continuity	Yes, audible	Yes, audible	Yes, audible	Yes, audible	Yes, audible
Temperature (type K thermocouple)	—	—	−4 to 1400°F (−20 to 760°C)	—	−4 to 1400°F (−20 to 760°C)
Capacitance	—	—	200.0 μF	40.00 mF	40.00 mF
Frequency	—	—	9.999 MHz	10.00 MHz	10.00 MHz
Duty cycle	—	—	0.1 to 99.9%	0.1 to 99.9%	—
Diode test	Yes	Yes	Yes	Yes	Yes
Display	2000-count LCD	2000-count LCD	4000-count LCD	4000-count LCD	4000-count LCD with analog bar graph
Power	Two AAA batteries (included)	One 9 V battery (included)		One 9 V battery (included)	
Dimensions (L x W x H)	4" x 2 ³ / ₁₆ " x 1 ⁵ / ₁₆ " (10.4 x 5.5 x 3.3 cm)	5 ⁷ / ₈ " x 2 ³ / ₄ " x 1 ⁷ / ₈ " (15 x 7 x 4.8 cm)		7 ³ / ₁₆ " x 3 ¹ / ₄ " x 2 ³ / ₁₆ " (18.2 x 8.2 x 5.5 cm)	

