

# 1000V DIGITAL MEGOHMMETER

## Model 1026



- Test voltage combinations of 250V, 500V and 1000V
- Insulation measurements to 4000MΩ
- Resistance measurements to 4000Ω
- Large, easy-to-read digital display



Model 1026 quickly verifies the isolation of all the connections in the box.

The Digital Megohmmeter Model 1026 is compact, lightweight and battery-operated. It is a megohmmeter that provides four functional tests: AC voltmeter, DC voltmeter, ohmmeter and a continuity tester. The Model 1026 tests at 250V, 500V and 1000V, and measures insulation resistance from 1k $\Omega$  to 4000M $\Omega$ .

The Model 1026 also features a continuity test range with audible beeper for resistances under 40 $\Omega$ , and a 600VAC range for safety voltage check. In addition, the Model 1026 has an ohmmeter range to measure from 0.1 to 4000 $\Omega$ .

The press-to-test button has an associated locking feature for continuous tests up to three minutes, eliminating the need to manually hold down the button.

Other features include: a large 3½ digit LCD for easy viewing; the data hold button retains the value on the display when pressed to facilitate correct recording of information, and a low battery indicator appears on the LCD when it is necessary to change batteries. This hand-held, easy-to-use megohmmeter can be used for most commonly performed insulation tests, such as on cables, switch gears, motors, DC generators, power tools and small appliances.

The Model 1026 includes test leads, black and red alligator clips, batteries and soft carrying case.


## FEATURES

- Test voltage combinations of 250V, 500V and 1000V
- Insulation measurements to 4000M $\Omega$
- Resistance measurements to 4000 $\Omega$
- Continuity test
- Continuity beeper
- 600VAC/DC test voltage range
- Large, easy-to-read digital display
- Data hold switch
- Test button may be “locked-on” for three minutes for hands-free operation
- Automatic discharge when test button is released
- Low battery indicator
- Includes a soft carrying case and test leads
- CE Mark

## APPLICATIONS

- Motor testing
- Transformer testing
- Relay testing
- Cable monitoring
- Circuit breaker testing
- Continuity checks

# SPECIFICATIONS

| <b>MODEL</b>                                      |   | <b>1026</b>   |
|---|---|---|
| <b>ELECTRICAL</b>                                 |   |   |
| <b>Insulation Tests</b>                           |   |   |
| Test Voltage                                      | 250V<br>500V<br>1000V                     | 1k $\Omega$ to 4000M $\Omega$<br>1k $\Omega$ to 4000M $\Omega$<br>1k $\Omega$ to 4000M $\Omega$   |
| Accuracy  | < 2000M $\Omega$<br>$\geq$ 2000M $\Omega$ | $\pm$ 3% of Reading $\pm$ 5cts<br>$\pm$ 5% of Reading $\pm$ 5cts  |
| <b>Resistance Tests</b>                           |   |   |
| Measurement Range                                 |   | 400 to 4000 $\Omega$  |
| Resolution  |   | 0.1 to 1 $\Omega$   |
| Accuracy  |   | $\pm$ 1% of Reading $\pm$ 5cts  |
| <b>Continuity Tests</b>                           |   |   |
| Measurement Range                                 |   | Displays and beeps below 40 $\Omega$  |
| Active  |   | $\leq$ 40 $\Omega$  |
| Protection  |   | 600Vrms   |
| <b>Voltage Tests</b>                              |   |   |
| Measurement Range                                 |   | 0 to 600VAC/DC  |
| Resolution  |   | 0.1V  |
| Accuracy  | AC<br>DC                                  | $\pm$ 1.5% of Reading $\pm$ 5cts<br>$\pm$ 1% of Reading $\pm$ 3cts  |
| <b>Power Source</b>                               |   | Eight 1.5V AA batteries   |
| <b>MECHANICAL</b>                                 |   |   |
| <b>Overrange Indication</b>                       |   | "OL" will be shown on the LCD Panel when out of range measurement is made   |
| <b>Low Battery Indication</b>                     |   | The  will be shown when the batteries need to be changed |
| <b>Sampling Rate</b>                              |   | 2.5 times/sec digital display; 10 times/sec bar graph   |
| <b>Dimensions</b>                                 |   | 7.72 x 4.41 x 2.52" (196 x 112 x 64mm)  |
| <b>Weight</b>                                     |   | 1.5 lbs (700g)  |
| <b>DISPLAY</b>                                    |   |   |
| <b>Display Type</b>                               |   | 3 x 1.7" (76 x 42mm) (LCD panel with 40-segments analog bar indication)   |
| <b>ENVIRONMENTAL</b>                              |   |   |
| <b>Operating Temperature</b>                      |   | 32° to 104°F (0° to 40°C), below 80% RH   |
| <b>Storage Temperature</b>                        |   | 14° to 140°F (-10° to 60°C)   |
| <b>SAFETY</b>                                     |   |   |
| <b>Safety Rating</b>                              |   | EN 61010, 600V, Cat. III, Pollution Degree 2, Altitude up to 6000 ft (2000m), EN50081-1; EN50082-1  |
| <b>Double Insulation</b> <input type="checkbox"/> |   | Yes   |
| <b>CE Mark</b>                                    |   | Yes   |

# CONSTRUCTION



Model 1026 includes soft carrying case, test leads, screw on alligator clips and user manual.

| ORDERING INFORMATION  | CATALOG NO.   |
|---|---------------|
| Megohmmeter Model 1026 (Digital, 250V, 500V, 1000V, 4000Ω, V) . . . . .                                 | Cat. #2117.72 |
| Includes set of leads with black and red alligator clips, batteries, soft carrying case and user manual |               |
| <b>Accessories (Optional)</b>   |               |
| Soft Carrying Bag. . . . .  | Cat. #2117.73 |
| Set of two color-coded leads with screw-on Alligator Clips . . . . .                                    | Cat. #2121.53 |

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