

# Digital Megohmmeter Model 1026



The Digital Megohmmeter Model 1026 is a compact, lightweight, battery-operated, hand-held digital megohmmeter. 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 1kΩ to 4000MΩ.

The Model 1026 also features a continuity test range with audible beeper for resistances under 40Ω, and a 600VAC range for safety voltage

check. In addition, the Model 1026 has an ohmmeter range to measure from 0.1Ω to 4000Ω.

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 lightweight, easy-to-use megohmmeter can be used for most commonly performed insulation tests, such as on cables, switch gear, motors, DC generators, power tools and small appliances.

The Model 1026 is supplied with test leads and 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
- Supplied with a soft carrying case and test leads
- CE Mark

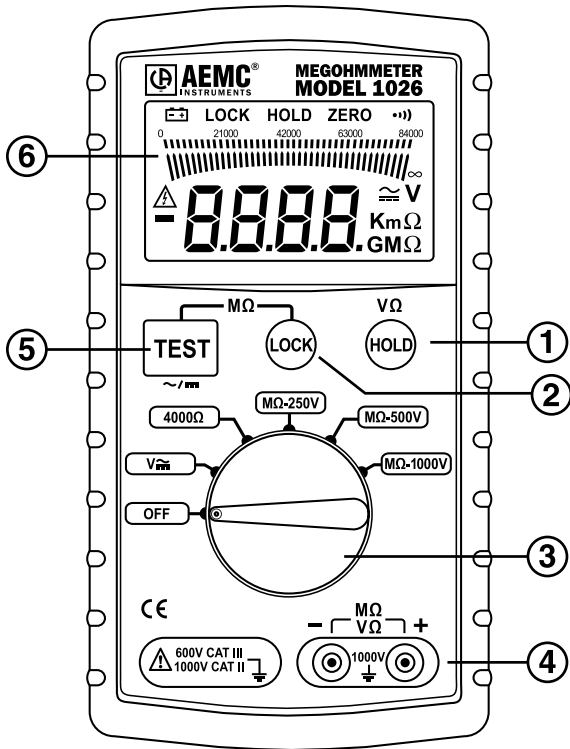
## Applications

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

## Specifications

| MODEL                   | 1026                                |  |
|-------------------------|-------------------------------------|--|
| <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>>2000M $\Omega$ | $\pm$ 3% of Reading $\pm$ 5cts<br>$\pm$ 5% of Reading $\pm$ 5cts                                   |
| <b>RESISTANCE TESTS</b> |                                     |  |
| Measurement Range       |                                     | 400 $\Omega$ to 4000 $\Omega$  |
| Accuracy*               |                                     | $\pm$ 1% of Reading $\pm$ 5cts   |
| <b>CONTINUITY TESTS</b> |                                     |  |
| Beeper Activation       |                                     | Displays $\Omega$ and beeps below 40 $\Omega$  |
| Overload 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>DISPLAY</b>          |                                     |  |
| Digital Display         |                                     | 3 x 1.7" (76 x 42mm) (LCD panel with 40-segments analog bar indication)                            |
| <b>GENERAL</b>          |                                     |  |
| Overrange Indication    |                                     | “OL” will be shown on the LCD Panel when out of range measurement is made                          |
| Low Battery Indication  |                                     | The will be shown when the batteries need to be changed  |
| Sampling Rate           |                                     | 2.5 times/sec digital display; 10 times/sec bar graph  |
| Power Source            |                                     | 8 x 1.5V AA batteries  |
| Dimensions              |                                     | 7.72 x 4.41 x 2.52" (196 x 112 x 64mm)   |
| Weight                  |                                     | 1.5 lbs (700g)   |
| Temperature Range       |                                     | Operating: 32° to 104°F (0° to 40°C), below 80% RH; Storage: 14° to 140°F (-10° to 60°C)           |
| <b>SAFETY</b>           |                                     |  |
| Safety Rating           |                                     | EN 61010, 600V, Cat. III, Pollution Degree 2, Altitude up to 6000 ft (2000m), EN50081-1; EN50082-1 |
| CE Mark                 |                                     | Yes  |

\*Accuracies are at 23°C  $\pm$  5°C, below 80% RH



1. Data hold switch
2. Manual and lock switch (locks power on 3 minutes)
3. Range selector switch
4. Test terminals
5. Press-to-Test button
6. Digital display



*Soft carrying case and test leads included*

| <b>ORDERING INFORMATION</b>   | <b>CATALOG NO.</b>   |
|---|----------------------|
| Megohmmeter Model 1026 (Digital, 250V, 500V, 1000V, 4000Ω, V).....                                      | <b>Cat. #2117.72</b> |
| Includes set of leads with black and red alligator clips, batteries, soft carrying case and user manual |                      |

## Contact Us

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