

# Megohmmeter Model 1005



The True Megohmmeter® Model 1005 is a compact, self-contained, battery-operated megohmmeter. This practical, dependable and rugged insulation tester can be used for a broad range of plant and field service applications; it is designed for use in harsh environments such as mining, industrial, offshore and commercial electrical.

The Model 1005 is an analog instrument with four easy-to-read scales. The megohm scale is a log scale graduated from 0.1 to 1000MΩ (yellow background). The ohm scale is linear with a range from 0 to 10Ω (white background).

The AC voltage scale is linear with a range of 0 to 600VAC (white background). The colored battery scale displays in green for a good battery and in red for a battery in need of replacement.

A built-in battery tester is provided by simply pressing the yellow push button when the selector switch is in the OFF position. A voltmeter (safety check) with a range of 0 to 600VAC is standard.

Two polarity continuity ranges on the Model 1005 provide the operator with

a very versatile instrument that will handle numerous testing applications. The constant test voltage and dual polarity continuity range comply with international testing standards. Continuity tests are administered with a test current of 200mA.

The Model 1005 is supplied with a carrying case, shockproof rubber housing, two color-coded leads, black test probe, red alligator clip, spare fuse and batteries.

## Features

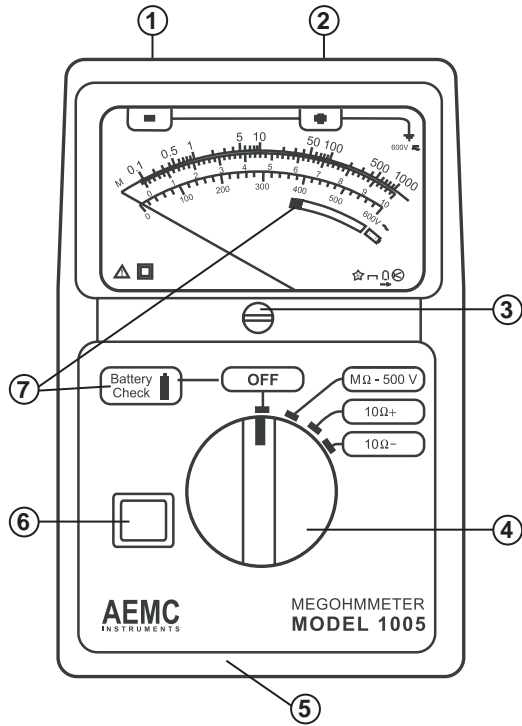
- True Megohmmeter®
- Test voltage to 500V
- Insulation measurements to 1000MΩ
- Push button for battery check
- 0 to 10Ω+ and 0 to 10Ω- continuity ranges
- Continuity measurements with 200mA test current
- Compact and lightweight
- Large, direct-reading, colored scale
- 600V test voltage range (safety check)
- Supplied with a yellow, non-slip shockproof rubber housing and soft carrying case
- Designed to international testing and safety standards
- CE Mark

## Applications

- Acceptance testing and preventive maintenance
- Motors (AC and DC), transformers, cables
- Heaters, relays, circuit breakers
- Continuity checks
- Domestic and industrial contracting
- Rugged construction designed for mining, industrial, heavy-duty field, offshore and military applications

## Specifications

|                           |  |
|---------------------------|--|
| <b>MODEL</b>              | <b>1005</b>  |
| <b>ELECTRICAL</b>         |  |
| <b>INSULATION TESTS</b>   |  |
| Test Voltage              | 500V   |
| Short Circuit Current     | 0.1 to 1000MΩ  |
| Accuracy                  | ≤6mA (max)   |
| Automatic Discharge       | ±5% of Reading   |
| Voltage Test/Safety Check | 1s/μF  |
|                           | 0 to 600VAc  |
| <b>CONTINUITY TESTS</b>   |  |
| Measurement Range         | 0 to 10Ω-; 0 to 10Ω+   |
| Short Circuit Current     | ≥200mA   |
| Open Circuit Voltage      | 4.5 to 6.5V  |
| Accuracy                  | ±3% of Full Scale  |
| <b>GENERAL</b>            |  |
| Power Source              | 4 x 1.5V AA batteries  |
| Dielectric Test           | 6000V 50/60Hz, 1 minute  |
| Meter Movement            | Rugged taut band suspension  |
| Dimensions                | 6.6 x 4.2 x 2.2" (167 x 106 x 55mm)  |
| Weight                    | 1.45 lbs (650g)  |
| Temperature Range         | Operating: 14° to 131°F (-10° to 55°C), 20 to 80% RH<br>Storage: -40° to 158°F (-40° to 70°C) 10 to 90% RH   |
| Terminals                 | "-" Line (black); "+" earth (red) accept standard 4mm banana plugs   |
| <b>SAFETY</b>             |  |
| Safety Rating             | EN 61010-1: Safety requirements for electrical equipment for measurement, control and laboratory use<br>VDE 0413-1: insulation testers VDE 0413-4: ohmmeters VDE 0100: Specifications for the creation of high current installations of nominal voltage less than 1000V Self-extinguishing capability: UL 94 |
| CE Mark                   | Yes  |



1. Line (-) terminal
2. Earth (+) terminal
3. Mechanical zero adjustment screws
4. 4-position rotary switch
5. Protective rubber housing
6. Push-to-test button
7. Battery check and indication display



*Includes carrying case, shockproof rubber housing, two color-coded leads, red insulated alligator clip, black test probe, spare fuse, batteries and user manual*

**ORDERING INFORMATION**

**CATALOG NO.**

**Megohmmeter Model 1005 (Analog, 500V, Continuity) . . . . . Cat. #1402.01**  
 Includes carrying case, shockproof rubber housing, two color-coded leads, red insulated alligator clip, black test probe, spare fuse, batteries and user manual

## Contact Us

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