

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

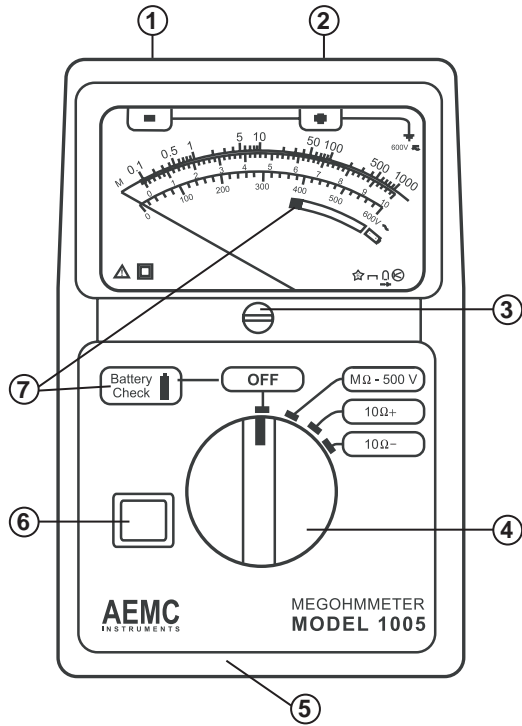
- True Megohmmeter®
- Test voltage to 500V
- Insulation measurements to 1000MΩ
- Push button for battery check
- 0 to 10Ω+ and 0 to 10Ω- continuity ranges
- Continuity measurements with 200mA test current
- Compact and lightweight
- Large, direct-reading, colored scale
- 600V test voltage range (safety 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

MODEL	1005
ELECTRICAL	
INSULATION TESTS	
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
CONTINUITY TESTS	
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
GENERAL	
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 Storage: -40° to 158°F (-40° to 70°C) 10 to 90% RH
Terminals	"-" Line (black); "+" earth (red) accept standard 4mm banana plugs
SAFETY	
Safety Rating	EN 61010-1: Safety requirements for electrical equipment for measurement, control and laboratory use 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