

1000 V Megohmmeter Model 1015



Features

- ◆ Measures insulation resistance at 500 V and 1000 V
- ◆ Constant test voltage across measurement range ensures accurate and realistic readings – True Megohmmeter™
- ◆ Push button for battery check
- ◆ 0 to 10 + and 0 to 10 - continuity ranges
- ◆ 0 to 1000 resistance range
- ◆ Continuity 200 mA test current
- ◆ Compact and lightweight
- ◆ Large, direct-reading, colored scale
- ◆ 600 V test voltage range (safety check)
- ◆ Yellow, non-slip, shockproof case
- ◆ Designed to international testing and safety standards
- ◆ CE Mark

Description

The True Megohmmeter™ Model 1015 is a compact, self-contained, battery-operated megohmmeter. This practical, dependable, and rugged tester can be used for a broad range of plant and field service applications; and is designed for use in harsh environments such as mining, industrial, off-shore, and commercial electrical.

The Megohmmeter Model 1015 permits insulation resistance testing at 500 V and 1000 V, and resistance measurements up to 1000 . These tests are completed with a constant test voltage across the measurement range.

The Model 1015 is an analog instrument with four easy-to-read scales. The megohm scale is an easy-to-read log scale graduated from 0.1 to 1000 M (yellow background). The ohm scale is linear with a range from 0 to 10 (white background).

The AC voltage scale is linear with a range of 0 to 600 V AC (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

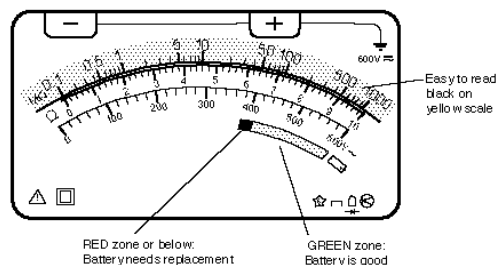
the selector switch is in the OFF position. A voltmeter (safety check) with a range of 0 to 600 volts AC is standard.

Two polarity continuity ranges 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 200 mA.

The Model 1015 comes complete with carrying case, shockproof rubber housing, a pair of color-coded leads, black test probe, red alligator clip, spare fuse, and batteries.

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



Scale and battery check.

Specifications

INSULATION TESTS

DC Test Voltage: 500 V and 1000 V

Megohm Range: 0.1 to 1000 M

Short Circuit Current: ≤ 6 mA

Accuracy: $\pm 5\%$ of reading

Discharging Time (Auto): 1 s/ μ F

CONTINUITY TESTS

Range:

0 to 10 -

0 to 10 +

Short Circuit Current: ≥ 200 mA

Open Circuit Voltage: 4.5 to 6.5 V

Accuracy: $\pm 3\%$ full scale

RESISTANCE TESTS

Range: 0 to 1000

Short Circuit Current: > 200 mA

Open Circuit Voltage: 4.5 to 6.5 V

Accuracy: $\pm 3\%$ full scale

VOLTAGE TESTS (SAFETY CHECK):

Voltage Range: 0 to 600 V AC

Frequency: 45 to 400 Hz

Accuracy: 3% of full scale

Input Impedance: 300 k

GENERAL SPECIFICATIONS

Power Supply:

Four 1.5 V "AA" batteries

Dielectric Test:

6000 V 50/60 Hz, 1 minute

Meter Movement:

Rugged taut band suspension

Dimensions:

6.6 x 4.2 x 2.2" (167 x 106 x 55 mm)

Weight: 1.45 lbs (650 g)

Temperature Range:

Operating Range: 14° to 131°F

(-10° to 55°C), 20-80% RH

Storage Range: -40° to 158°F

(-40° to 70°C), 10-90% RH

Reference Conditions:

Reference Temperature: 63° to 73°F

(17° to 23°C), 45-55% RH

Supply Voltage: 5.3 to 5.7 V

Voltage Frequency: 45 to 65 Hz

Electric Field: < 1 V/m

Magnetic Field: < 40 A/m

Position: Horizontal $\pm 5^\circ$

Terminals:

"-" Line (black); "+" earth (red); accept standard 4 mm banana plugs

Safety Standards:

CE Mark

UL Listed

EC 1010-1: 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



Model 1015 with carrying case and accessories

ORDERING INFORMATION

CATALOG NO.

Megohmmeter Model 1015 **Cat. #1403.01**
includes carrying case, shockproof rubber housing, two color-coded leads, red insulated alligator clip, black test probe, spare fuse, batteries, and user manual

Accessories and Replacements

Set of two color-coded leads with test probes, and two insulated alligator clips **Cat. #2118.41**

Carrying case **Cat. #2118.40**

Fuses, set of 5, 1.6 A **Cat. #2970.22**



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