

Special product features

MEGOHMMETERS

Digital/Analog & Multi-Function Voice, Data, Video Cable Testing

Models 1030, 1040 & 1045

For motors, cables, switchgear and general applications



Learn how to measure insulation on telephone cables



SPECIFICATIONS

| MODELS | 1030 | 1040 | 1045 | |
|--|---|--|---|--|
| INSULATION TESTS | | | | |
| Test Voltage | 250V 500V 1000V | 50kΩ to 2000MΩ (2GΩ) 100kΩ to 2000MΩ (2GΩ) — | — 100kΩ to 2000MΩ (2GΩ) 200kΩ to 2000MΩ (2GΩ) | 50kΩ to 2000MΩ (2GΩ) 100kΩ to 2000MΩ (2GΩ) 200kΩ to 2000MΩ (2GΩ) |
| Short Circuit Current | ≤3mA | | | |
| Accuracy | <40MΩ ≥40MΩ | 3% of Reading ± 5cts 3% of Reading ± 2cts | | |
| Voltage Test/Safety Check | 0 to 600Vac/dc | | | |
| Voltage Warning Indicator | >25V | | | |
| Test Inhibition | Yes >25V | | | |
| RESISTANCE TESTS (MODELS 1040 AND 1045) | | | | |
| Measurement Range | — | 0.0 to 400kΩ | | |
| Test Voltage | — | 7 to 9V | | |
| Test Current | — | 600μA | | |
| Accuracy | >4kΩ | 3% of Reading ± 1ct | | |
| CONTINUITY TESTS | | | | |
| Measurement Range | 0.00 to 19.99Ω | | | |
| Test Current | ≥200mA | | | |
| Accuracy | 3% of Reading ± 1ct | | | |
| ELECTRICAL | | | | |
| Power Source | Six 1.5V AA Alkaline batteries (included) | | | |

PRODUCT INCLUDES

1040 & 1045 Field Kit

Megohmmeter, soft carrying case, field case, two color-coded leads, two alligator clips, black test probe, remote test probe, batteries and user manual.



1035 Field Kit

Megohmmeter, soft carrying case, field case, color-coded leads, alligator clips, black test probe, two grip probes, remote test probe, batteries, and user manual.



Soft carrying case
Included with all Models



Hands-free carrying case
Catalog #2118.99 (optional)



Models 1035 & 1039

For voice, data and video cable applications

► FEATURES

- True Megohmmeter®
- Test voltage combinations of 250V, 500V and 1000V
- Insulation measurements to 2000MΩ (2GΩ)
- Automatic test inhibition (if live sample >25V)
- Automatic discharge for operator safety
- Multi-line, 4000-count, backlit, digital display with analog bargraph
- Resistance measurements to 400kΩ
- Continuity with 200mA test current
- Timer function for easy DAR and PI (Model 1045)
- Slip-proof, over-molded, protective rubber housing for rugged field use
- Includes test leads and soft carrying case
- Test voltage combinations of 50V, 100V, 250V and 500V (Model 1035)
- Insulation measurement to 20,000MΩ (20GΩ) (Model 1035)
- Insulation measurement to 400MΩ (Model 1039)
- Capacitance measurement to 4000nF (Model 1039)
- Cable length measurement to 80.0km (>264,000 ft) (Model 1039)
- Ideal for telecom testing and high sensitivity measurements
- Backlit display (Models 1035, 1039, 1040 & 1045)



► SPECIFICATIONS

| MODELS | 1035 | 1039 |
|----------------------------------|--|---|
| INSULATION TESTS | | |
| Test Voltage | 50V 100V 250V 500V | 10kΩ to 2000MΩ (2GΩ) 20kΩ to 2000MΩ (2GΩ) 50kΩ to 20,000MΩ (20GΩ) 100kΩ to 20,000MΩ (20GΩ) |
| | | 10kΩ to 400MΩ 20kΩ to 400MΩ - - |
| Open Circuit Voltage | <75V @ 50V, <150V @ 100V, <375V @ 250V, <750V @ 500V | |
| Short Circuit Current | ≤3mA | |
| Accuracy | ±3% of Reading ± 5cts | |
| Voltage Test/Safety Check | 0 to 600Vac/bc | |
| Voltage Warning Indicator | >25V | |
| Test Inhibition | Yes >25V | |
| RESISTANCE TESTS | | |
| Measurement Range | 0.0 to 400kΩ | 0.0 to 40.0kΩ |
| Test Voltage | 7 to 9V | |
| Test Current | 600μA < 400Ω; 6μA > 40Ω | |
| Accuracy | >400kΩ ±3% of Reading ± 1ct | ±3% of Reading ± 1ct |
| CURRENT TESTS | | |
| AC/DC Current Range | - | 0.00 to 400mA (240A) (with probe option) |
| CAPACITANCE/CABLE LENGTH | | |
| Capacitance Range | - | 0.00 to 4000nF |
| Cable Length Range | - | 0.000 to 80.0km |
| VOLTAGE TESTS | | |
| Measurement Range | - | 0 to 400Vac |
| Accuracy | - | ±3% of Reading ± 1ct |
| ELECTRICAL | | |
| Power Source | Six 1.5V AA Alkaline batteries (included) | |

CATALOG NO. DESCRIPTION

| | |
|---------|---|
| 2116.89 | Megohmmeter Model 1030 (Digital w/Analog Bargraph, 250V, 500V) |
| 2116.92 | Megohmmeter Model 1040 (Digital w/Analog Bargraph, Alarm, Backlight, 500V, 1000V, 400kΩ, Continuity) |
| 2116.93 | Megohmmeter Model 1045 (Digital w/Analog Bargraph, Alarm, Timer, Backlight, 250V, 500V, 1000V, 400kΩ, Continuity) |
| 2117.30 | Megohmmeter Model 1040 Field Kit (Model 1040, Remote Test Probe & Field Case) |
| 2117.31 | Megohmmeter Model 1045 Field Kit (Model 1045, Remote Test Probe & Field Case) |
| 2116.90 | Megohmmeter Model 1035 (Digital w/Analog Bargraph, Alarm, Backlight, 50V, 100V, 250V, 500V, 400kΩ) |
| 2116.91 | Megohmmeter Model 1039 (Digital w/Analog Bargraph, Alarm, Timer, ΔRel, Backlight, 50V, 100V, mA, nF, km) |
| 2115.42 | Megohmmeter Model 1035 Field Kit (Model 1035, Remote Test Probe & Field Case) |

Accessories (Optional)

| | |
|---------|--------------------------|
| 2118.97 | Remote Test Probe |
| 2118.98 | Field Case (Waterproof) |
| 2118.99 | Hands-Free Carrying Case |

