

MEGOhMMETERS

1000 V DIGITAL & MULTI-FUNCTION HAND-HELD



(with leads connected)



US Design Patent US D890,617 S

MODEL 6529

Insulation tester ideal for maintenance and repair operations on electrical equipment such as motors, cables, and more



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TRUE MegOhmmeter®

FEATURES

- Selectable test voltages (50, 100, 250, 500 and 1000) V
- Basic DMM functions; Volts, Continuity, Resistance
- DAR and PI ratio test functions
- Dual line display to view the insulation value and real-time test voltage simultaneously in an easy-to-read format
- DMR mode - relative resistance comparison to a reference value
- 2-color backlighting easily shows alarm conditions
- Shockproof sheath for excellent handling
- Automatic Power OFF function to optimize the battery life
- Programmable alarm thresholds

ACCESSORIES/REPLACEMENTS

CAT. #2138.54

Continuity probe

CAT. #2119.02

Soft carrying pouch

CAT. #2971.04

Fuse – Set of (2) FF, 200 mA, 1000 V, 10 kA, (6 x 32) mm

CAT. #5000.94

Lead – Set of (2) 5 ft color-coded (red/black) silicone leads with 4 mm straight/right angle banana plugs (Rated 1000 V CAT IV, UL)

CAT. #5000.97/#5000.98

Black/red test probe

(1000 V CAT IV, 15 A, UL V2)

CAT. #5000.99/#5100.00

Clip – Safety alligator (black/red) (1000 V CAT IV, 15 A, UL V2)



| MODEL | 6529 |
|---------------------------------|--|
| AC / DC VOLTAGE MEASUREMENT | |
| Range | 700 V _{AC} , 700 V _{AC} +DC |
| Accuracy | DC AC+DC ± (1 % R + 1 ct) ± (1.2 % R + 1 ct) |
| Resolution | 1 V |
| Frequency Range | DC & (30 to 440) Hz |
| Input Impedance | 25 MΩ |
| INSULATION MEASUREMENT | |
| Test Voltage / Resistance Range | |
| 50 V | (0.010 to 420.0) MΩ |
| 100 V | (0.020 to 420.0) MΩ |
| 250 V | (0.050 to 4200) MΩ |
| 500 V | (0.100 to 4200) MΩ |
| 1000 V | 0.20 MΩ to 11.00 GΩ |
| Measurement Accuracy | |
| 4 M / 40 MΩ / 400 MΩ | ± (3 % R + 10 cts) |
| 4.2 GΩ | ± (4 % R + 10 cts) |
| 11 GΩ | ± (10 % R + 10 cts) (1000 V range) |
| CONTINUITY MEASUREMENT | |
| Range | (0 to 40) Ω (200 mA test current ≤ 2 Ω) |
| Accuracy | ± (1.2 % R + 3 cts) |
| Resolution Max | 0.01 Ω |
| Leads Compensation | Up to 5 Ω |
| Threshold | Audible signal triggered, Selectable ≤ (1 or 2) Ω |
| RESISTANCE MEASUREMENT | |
| Range | (0 to 400) kΩ (Auto ranging) |
| Accuracy | ± (1.2 R + 3 cts) |
| Resolution Max | 0.1 Ω |
| DMR Mode | Compares successive measurements to a reference value with alarm indication and red backlit display if deviation changes by the programmed %. The difference between the new reading and the reference measurement, along with the % deviation is displayed. |
| GENERAL | |
| Timed Test | 1 s to 39.59 min selectable |
| Display | LCD with backlight |
| Power Supply | (6) AA alkaline batteries (NEDA 15 A or IEC LR6) |
| Battery Life (5 s ON, 25 s OFF) | > 2000 measurement in MΩ, > 300 h in V _{AC} / DC, > 6000 measurement in Continuity Test |
| Dimensions | (8.54 x 3.54 x 2.44) in (217 x 90 x 62) mm |
| Weight | 1.68 lb (762 g) |
| Operating Temperature | (14 to 122) °F (-10 to 50) °C, 90 % RH |
| SAFETY | |
| Safety Rating | 600 V CAT IV |

Consult factory for NIST Calibration prices.

PRODUCTS INCLUDE

Includes soft carrying case, set of (2) 5 ft color-coded (red/black) silicone leads and alligator clips, (2) color-coded (red/black) test probes (Rated 1000 V CAT IV, UL V2), (6) 1.5 V AA batteries and user manual.

| CAT. # | DESCRIPTION |
|---------|---|
| 2126.55 | Megohmmeter Model 6529 (Digital, (50, 100, 250, 500) V, 1 kV, 420 k-Ohm, Continuity, Alarm, Timer & PI/DAR) |