

INSULATION TESTER

TECHNICAL DATA



FEATURES

- Wide range measurements from 500V to 5000V and up to 60G Ω
- Sources up to 1.2mA current during tests to offset capacitance load
- Polarization index measurement (PI)
- Dielectric absorption ratio measurements (DAR)
- Time set measurement function
- Auto-discharge function and voltage output warning function
- Live circuit warning symbols plus audible warning
- Live circuit detection prevents insulation test if >30V is detected
- Max/Min, Peak, Relative value and Data Hold functions
- 6000-count digital display with bargraph and backlight
- Meets IEC61010-1 Cat. IV 600V safety standards
- Includes test leads, batteries and carrying case

SPECIFICATIONS

INSULATION RESISTANCE

Test Voltages: 500V, 1000V, 2500V, 5000V DC

Measurement Range: 0 to 60.0G Ω

Accuracy: $\pm 5\%$ rdg. +3 dgt.

Open Circuit Voltage: +20%, -0%

Rated Current: 1 to 1.2mA

Short Circuit Current: Approx. 1.3 mA

RESISTANCE TESTS

Measurement Range: 0.1 to 6000 Ω

Accuracy: $\pm 1.5\%$ rdg. +10 dgt.

Continuity Test: Buzzer sounds at <50 Ω

Short Circuit Current: ≥ 200 mA

Open Circuit Test Voltage: ≥ 4.5 V

VOLTAGE TESTS

Measurement Range: 0.5 to 600.0V AC/DC

Accuracy: $\pm 1.5\%$ rdg. +5 dgt.

Power Supply: 8 x 1.5V "C" R14 batteries

Dimensions: 198 x 148 x 86mm (7.8 x 5.8 x 3.4")

Weight: 1.5 kg (3 lb)

ORDERING INFORMATION

R5002 Insulation Resistance Tester

CERTIIN2.....NIST Calibration Certificate

R5002-NIST..... Insulation Tester & NIST

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