

## INSULATION TESTER

## TECHNICAL DATA



### FEATURES

- Wide range measurements from 500V to 5000V and up to 60G $\Omega$
- 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 $\Omega$

**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 $\Omega$

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

**Continuity Test:** Buzzer sounds at <50 $\Omega$

**Short Circuit Current:**  $\geq 200$ mA

**Open Circuit Test Voltage:**  $\geq 4.5$ 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

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