

### TECHNICAL DATA



### Features

- Test Voltages of 500V, 1000V, 2500V, and 5000V
- Measure Insulation Resistance to 60GΩ
- Large backlit LCD display with analog bargraph
- Timer function for insulation resistance measurements (1 to 15min)
- AC/DC Voltage from 0 to 600V with Max/Min, peak and relative functions
- Polarization index measurement (PI)
- Dielectric absorption ratio measurements (DAR)
- Max/Min, Peak, Relative value and Data Hold functions
- Cat. IV 600V safety rating
- Low battery indicator and auto shut off
- Includes test leads, alligator clips, AC adapter, batteries and hard carrying case

### Specifications

#### Test Voltage

Ranges: 500V, 1000V, 2500V, 5000V

Accuracy: ±2.5% of reading

#### Insulation Resistance

Ranges: 0 to 6MΩ, 0 to 60MΩ, 0 to 600MΩ, 0 to 6GΩ, 0 to 60GΩ

Accuracy: ±2.5% of reading

#### AC/DC Voltage

Range: 0 to 600V

Accuracy: ±1% of reading

#### Resistance

Range: 0 to 600Ω

Accuracy: ±1.5% of reading

#### General Specifications

Range Selection: Manual / Autoranging

Display: 6000 count LCD display with bargraph

Max/Min, Peak, Relative and Data Hold Functions: Yes

Sampling Rate: 2.5 times/sec.

Backlit Display: Yes

Analog Bargraph: Yes

Auto Power Off: Yes (after 20 minutes)

Continuity Buzzer: Yes (< 50Ω)

Power Supply: 8 C Batteries or AC Adapter (included)

Low Battery Indicator: Yes

Fuse Protection: Yes

Overvoltage Category: CAT. IV 600V

Product Certifications: CE

Operating Temperature: 32 to 104°F (0 to 40°C)

Storage Temperature: -4 to 140°F (-20 to 60°C)

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

Weight: 3lbs (1.5kg)

Model	Description
R5002	Digital High Voltage Insulation Tester
R8888	Hard Carrying Case
R5002-NIST	Digital High Voltage Insulation Tester & NIST