

FEATURES

- Test insulation of wires, cables, transformers, motors, surge arrestors and generators
- Selectable testing voltages - one testing instrument for low and high voltage systems from 500/1000/2500 and 5000V
- Insulation resistance measurement up to 1T Ω
- User-selectable programmable timer (10s to 30 min)
- Automatic discharge of test object after completion of measurement
- Diagnostic tools
- Polarization Index (PI)
- Dielectric Absorption Ratio (DAR)
- USB PC Interface
- Comparison feature to set pass/fail thresholds for quick measurement and verification
- Dual power source – receptacle or batteries
- Built-in internal memory storing 18 measurements
- Comes as a complete kit: power adapter, software, USB interface cable, hard carrying case, batteries, complete set of test leads, and instruction manual
- CAT III 600V



SAFETY AND COMPLIANCES

Certification	CE
Compliances	IEC 61010 CAT.III 600V overvoltage and double insulation standard

GENERAL SPECIFICATIONS

Display (LCD) : Digital : 9999 counts Analog bar graph

Display Backlight : Bright Backlight for clear readings in poorly lighted areas

Computer Connection : Via USB interface

Data Logging and Recall : 18 sets

Auto Range : The meter automatically selects best range

Warning : Displayed on the instrument

Test Voltage : Automatically source the voltage

COMP Measurement : Used for Compare function to set a pass/fail compare level for the insulation measurement

PI Measurement : Polarization Index is the ratio of insulation resistance. Preset the time for two points and the Meter will carry out the measurement automatically

Time : To carry out measurement by setting a specified time within 15 minutes

Over Loading : Display OL on insulation resistance range

Battery Indicator : Display 

Icon Display : Equips with function and battery indicator icons

Current Consumption : Maximum : Around 1.0A, Average Around 20mA

Operating Temperature : -10°C ~ 40°C (14°F ~ 104°F)

Storage Temperature : -20°C ~ 60°C (-4°F ~ 152°F)

Relative Humidity : ≤ 85% @ 0°C ~ 40°C below
≤ 90% @ -20°C ~ 60°C

Battery type : 8pcs of 1.5V (LR14) batteries or power adaptor (input voltage 230V, 50/60Hz, 150mA, input DC15V, 1.0A) Power adaptor is optionally at extra cost

Dimensions (HxWxL) : 202 x 155 x 94 mm

Weight : Approx. 2kg (including battery)

ACCURACY SPECIFICATION

Accuracy : ± (% of reading) + (number of least significant digits), guarantee for 1 year

Operating temperature : 18°C ~ 28°C

Relative Humidity : 45 ~ 75%RH

VOLTAGE MEASUREMENT

	DC Voltage	AC Voltage
Measurement	±30 ~ ±600V	30V ~ 600V (50/60Hz)
Resolution	1V	
Accuracy	±(2% + 3)	

INSULATION RESISTANCE MEASUREMENT

Output V	500 V	1000 V	2500 V	5000 V
Display Range	0.0MΩ ~ 20GΩ	0.0MΩ ~ 40GΩ	0.0MΩ ~ 100GΩ	0.0MΩ ~ 1000GΩ
Open Circuit Voltage	DC 500V 0% ±20%	DC 1000V 0% ±20%	DC 2500V 0% ±20%	DC 5000V 0% ±20%
Test Current	1mA ~ 1.2mA @ 500kΩ	1mA ~ 1.2mA @ 1MΩ	1mA ~ 1.2mA @ 2.5MΩ	1mA ~ 1.2mA @ 5MΩ
Accuracy	0.0MΩ ~ 99.9MΩ: ±(3%+5) 100MΩ ~ 9.99GΩ: ±(5%+5) 10.0GΩ ~ 20.0GΩ: ±(10%+5)	0.0MΩ ~ 99.9MΩ: ±(3%+5) 100MΩ ~ 9.99GΩ: ±(5%+5) 10.0GΩ ~ 40.0GΩ: ±(10%+5)	0.0MΩ ~ 99.9MΩ: ±(3%+5) 100MΩ ~ 9.99GΩ: ±(5%+5) 10.0GΩ ~ 100GΩ: ±(10%+5)	0.0MΩ ~ 99.9MΩ: ±(3%+5) 100MΩ ~ 9.99GΩ: ±(10%+5) 10.0GΩ ~ 99.9GΩ: ±(5%+5) Above 100GΩ: ±(20%+5) Humidity : Below 50%]
Short Circuit	Maximum than 2.0mA			