

5 kV Automated Insulation Resistance Tester Model TeraOhm

- *Ultra high Insulation Resistance measurement up to 5T Ω .*
- *Polarization Index (PI) measurement with programmable timer.*
- *Voltage, Frequency and Capacitance measurement.*
- *Storage of 1000 test results in memory, that can be downloaded to a PC*
- *Large, backlite LCD display.*



Description

The TeraOhm is an ultra high range insulation resistance testing instrument. With an output voltage of up to 5500 volts DC the TeraOhm will measure up to 5 T Ω (5,000,000 Meg Ω).

The test voltage can be selected in increments of 50 volts. The duration of the test can be set by the operator. At the end to the test period, the sample is automatically discharged and the insulation resistance is indicated on the display.

Polarization Index tests can also be automatically conducted. At the end of the ten minute period, PI

is automatically calculated and up to 1000 results can be stored in the instrument. These results can easily be recalled or can be transferred to a PC using the optional windows software TeraLink+.

The instrument can also be used to measure capacitance up to 50 μ F, voltage up to 600 VAC or VDC, and frequency.

The standard instrument is supplied with rechargeable batteries, a calibration certificate and a soft sided carrying case. Batteries recharge using a "built-in" charger.

5 kV Automated Insulation Resistance Tester

Model TeraOhm

Features

- Ultra high Insulation Resistance measurement up to 5TΩ.
- Polarization Index (PI) measurement with programmable timer.
- Dielectric Discharge Ratio (DD)
- Voltage, Frequency and Capacitance measurement.
- Withstand voltage to 5500V.
- Automatic discharge to safe voltage level.
- IR Testing up to 5,000V in 50V steps with actual test voltage display.
- 1000 memory locations for test results, and isolated RS232 output.
- Real time clock and programmable timer.
- Large, backlit LCD display.
- Double insulated.

Specifications

Insulation test	0.01MΩ to 5TΩ, ±5% accuracy
DC Test Voltage	250 to 5000V in 50V steps. Actual test voltage display, ±3% accuracy
Test Current	> 1 mA, 5W max.
Voltage Measurement	0 to 600V AC or DC, ±3% accuracy
Frequency Measurement	45-65 Hz, ±0.2Hz
Withstanding Voltage	0 to 5500V, 0 to 1.4mA, ±3% accuracy
Capacitance	0 to 50 uF, ±5% accuracy
Polarization Index (PI)	0 to 99.9, ±5% accuracy
Dielectric Discharge (DD)	0 to 99.9, ±5% accuracy
Protection	Double insulation, CAT III 600V, Pollution degree 2
Power	6 "C" size rechargeable batteries, 115 or 230 VAC
Dimensions	265 x 110 x 185mm, 2.3kg
Optional Accessories	Windows Software with RS232, 5KV Leads, Case

Standard accessories as shown include:

- Test Leads-
 - Red, black and green, 6 foot.
 - Large Alligator clips
 - Test probes
 - Power cord
- Rechargeable batteries
- Soft sided case
- Instruction manual



Optional accessories as shown include:

- Windows Software Tera Link +
- RS232 interconnecting cable
- 5 kV test leads
- 5 kV insulated alligator clips.
- Hard carrying and transport case. (Not shown.)



TeraOhm Kit Contents

- Test Leads-
 - *Red, black and green, 6 foot
 - *Large Alligator clips
 - *Test probes
 - *Power cord
- Soft sided case
- Instruction manual
- Rechargeable batteries



HEAD OFFICE

ADWEL INTERNATIONAL LTD.
60 Ironside Crescent, Unit 9
Toronto, Ontario,
Canada M1X 1G4
Telephone: 1 (416) 321-1988
Toll Free: (800) 463-9371
Fax: 1 (416) 321-1991
info@adwel.com
http://www.adwel.com

EUROPEAN OFFICE

ADWEL INTERNATIONAL LTD.
Park House, Greenhill Crescent
Watford Business Park
Watford, Herts WD18 8PH
United Kingdom
Telephone: +44-1923-254433
Fax: +44-1923-218278
sales@adwel.co.uk

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Represented by:
BANGLADESH
SIM International
333/1/C TV. Road
East Rampura
P.O: Khilgoan, Dhaka
Bangladesh

www.simintl.ca

Tel +88 (0) 175068227 (mobile)

Tel +88(02) 8331728

E-mail: info@simintl.ca