

Resistivity Meter



GENERAL DESCRIPTION

Eltel Resistivity Meter Model RSM-500 is used for measuring volume resistivity of transformer oil and other electrical insulating materials using a guarded 3 terminal test cell.

Built-in safety features include auto trip with LED indication: If the instrument is not grounded and if safety interlock is opened. Built-in protection is also included should the test sample flash over.

SPECIFICATIONS :

Range	: Autoranged from 10^9 to 10^{15} ohm cm.
Accuracy	: $\pm 3\%$ max $\pm 0.2\%$ FS linear
Resolution	: 0.01 of each range
Test Voltage	: Internally generated 500 VDC-fixed
Power Supply	: 230VAC $\pm 10\%$, 50 Hz OR 110VAC $\pm 10\%$, 60Hz
Dimension	: 19" standard rack mount chassis
Weight	: Approx 10 Kgs
Temperature Range	: -10°C to 50°C
Humidity	: Ambient to 90% RH
Optional Accessories	: Solid Test Cell



ESSENTIAL ACCESSORIES

OIL TEST CELL HEATER

The Oil Test Cell Heater OCH-85 is a very compact unit and is used to heat the oil in the cell to the required temperature. This uses high frequency induction heating which raises the temperature to 90°C in 15 mins approximately. A knob and a dial are provided to set the temperature at required level. A temperature sensing probe is supplied and this senses the temperature and stops heating the oil once the set temperature is reached. Two LEDs are provided to indicate 'heating on' and 'heating off'. To ensure safety the built-in micro switch interlock automatically trips out the high voltage when the plexi cover of the heater is raised.

OIL TEST CELL HEATER



SPECIFICATIONS

Power supply	: 230 VAC $\pm 10\%$, 50 Hz OR 110VAC $\pm 10\%$, 60Hz, 200VA
Temperature Range	: $20-110^\circ\text{C}$
Accuracy of	
Temperature Control	: $\pm 2^\circ\text{C}$
Dimension	: 310x 190 x 300mm
Weight	: Approx 12 kgs
Max. Test Voltage	: 2.4kV AC & 1kV DC

OIL TEST CELL

This 3 Terminal Oil Test Cell is designed for routine and laboratory Tan Delta tests on transformer oils and other electrical insulating liquids. The electrode of the cell is designed with a spherical bottom which offers more uniform stress on the oil as compared to electrode with tapered end.



OIL TEST CELL

SPECIFICATIONS

Construction	: 3 terminal configuration
Material	: Stainless Steel Body 316 with Teflon spacers
Capacitance	: 50-70pF
Electrode spacing	: 2mm
Volume	: 60ml
Dimension	: 90mm X 195mm
Weight	: Approx 2.5Kgs
Max. Test Voltage	: 2.4kV AC & 1kV DC

OTHER PRODUCTS

- Manual & Automatic Transformer Ratio Meters.
- Digital Micro Ohm Meters with built in 100Amp source.
- Manual & Automatic Transformer Winding Resistance & On Load Tap Changer Test sets.
- Automatic CT/VT Test Sets & Systems.
- Automatic 12kV & 5kV Capacitance & Tan Delta Test Sets.
- Relaying Current Transformer Analyser.



ELTEL INDUSTRIES

311 Embassy Centre, Crescent Road, Bengaluru 560 001, India

TEL: +91-80-22255467, 22205686, 22284253, 22284298
FAX: +91-80-22252733 email: marketing@eltelindustries.com

www.eltelindustries.com

Manufacturing Facility : Plot No. 39, KIADB Industrial Area, Veerapura, Doddaballapur, Bengaluru - 561 203, INDIA.
TEL : 91-80-27630366, 27630367, 27630368, +91-9686693047, +91-9686693048 FAX : 91-80-27630351

GURGAON: 0124-2460619, 099903 88454 HYDERABAD : 08008070840 MUMBAI: 022 - 21713579, 07045604020
KOLKATA: 033-24765536, 09830067236, 09331094257 VADODARA: 08155987799

Eltel Industries, established in 1983, is a market leader in the development and manufacturing of test instruments for electrical power industries and utilities. We are pleased to announce the NABL-accreditation of the Eltel Industries Calibration Laboratory (including on-site calibrations) in electro-technical discipline in accordance to ISO/IEC:17025/2005.

An ISO 9001 - 2008 Certified Company

(Specifications subject to change without notice)

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