

SIVA INSTRUMENTS



ISO 9001 : 2008

AUTOMATIC DIELECTRIC CONSTANT, TANDELTA & RESISTIVITY TEST SET

Model : EW188



Specifications

POWER SUPPLY : 230VAC \pm 10%,50Hz.

CAPACITANCE TANDELTA & DIELECTRIC CONSTANT

Test Voltage : Adjustable From 0 to 2500 VAC
Accuracy : \pm 1.0 % \pm 1 volt,
Resolution : 1Volt.
Test Frequency : 50 Hz
Dielectric Constant : 1.0 to 20.0
Accuracy : \pm 0.1% \pm 0.01%
Resolution : 0.001
Tan Delta Range : 10⁻⁴ to 1.0
Accuracy : \pm 1%
Best Resolution : 0.00001
Dielectric Loss : 0 to 10.00
Accuracy : \pm 1% \pm 1digits

RESISTANCE & RESISTIVITY

Test Voltage DC : 100- 1000 VDC in selectable
Accuracy : \pm 1.0 %
Resistance Range : 10e6 Ω -10e12 Ω
Resolution : 0.01
Resistance Accuracy : \pm 2% of reading upto 1G Ω
 \pm 5% above 1G Ω .
Resistivity Range : 10e9 - 10e15 Ω cm
Resistivity Accuracy : \pm 2% of reading at 10e9 - 10e13 Ω cm
 \pm 5% of reading at 10e13 - 10e15 Ω cm

HEATING CHAMBER

Test Temperature : Adjustable from 20°C(Room Temp.) to 100°C
Accuracy : \pm 0.5 %
Temp. control : \pm 20°C.

OIL TEST CELL

Construction : 3 Terminal Configuration.
Cell Capacitance : 55pf \pm 1 pF
Material : Stainless steel (SS316) with Teflon spacers.
Electrode Spacing : 2mm
Volume : 45ml OIL TEST CELL HEATER

STANDARD CALIBRATOR

Capacitance 1 value, Tan Delta 3 value & Resistivity 4 value standard calibrator with traceable calibration certificate operating voltage 500VAC/DC.

Operating Temp : -10°C to 50°C

Humidity : Ambient to 90%RH

CONNECTORS

Suitable HV, LV & Ground Leads , Safety Interlock & 3Pin Mains chord

Special Features

- Automatic Dielectric constant, Dissipation Factor & Resistivity Measurement.
- Inbuilt Printer facility for Test Report Printing.
- Easy storage of Data up to 250 Test Results.
- PC Compatibility.
- Fully automatic operation
- Display : Alphanumeric LCD display
- Keyboard :20 Key keypad providing
- numeric and soft function entries.



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