

Oil Test System

Model : QOTS-A

Application:

- Insulation Oils
- Liquid / Semi Liquid insulations
- Petroleum Jelly



Parameters

- Tan Delta
- Dielectric Constant
- Volume Resistivity

TECHNICAL SPECIFICATIONS

● Tan Delta & Volume Resistivity

- Test Voltage : 0 to 600 VAC
- Accuracy : $\pm 1.0\% \pm 1\text{Volt}$,
- Resolution: 1Volt.
- Test Frequency : 50 Hz
- Dielectric Constant Range : 1.0 to 20.0
accuracy ± 1
- Resolution: 0.01
- Dielectric Tan Delta Range : 0.01% to 200%
- Accuracy : $\pm 1\% \pm 0.05\%$,
- Resolution: 0.01%

Resistance & Resistivity

- Test Voltage DC : 500 VDC
- Resistance Range : 10^6 - 10^{10} Ohm
- Resistance Accuracy : $\pm 3\%$ of reading upto 1GOhm
& $\pm 10\%$ at high end.
- Resistivity Range : 10^9 - 10^{12} Ohm-cm

Three Terminal Oil Cell

- Construction : 3 Terminal Configuration
- Cell Capacitance : 55pF $\pm 1\text{pF}$
- Material : Stainless steel with Teflon spacers
- Electrode Spacing : 2mm
- Volume : 45ml

Oil Cell Heater

- Power Supply : 230VAC $\pm 10\%$, 50Hz.
- Test Temperature : Room Temp. to 110°C
- Accuracy : ± 1 Deg C
- Over shoot : $\pm 2^\circ\text{C}$.

Standard Calibrator (Optional)

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

General Specks

- Power Supply : 230VAC $\pm 10\%$, 50Hz
- Operating Temp : -10 to 50°C
- Humidity : Ambient to 90% RH

Simplified Measurements Solutions