



SIVA INSTRUMENTS

Automatic Dielectric Constant, Tan delta and Resistivity Meter

Model :CTRM-1



Features

- ❖ No Balancing and Calculation required to calculate Volume / Surface Resistivity and Dielectric Constant.
- ❖ Complies IEC 60250, IS 4487, Test jig Conform to ASTM D 257
- ❖ Built in Thermal Printer
- ❖ Serial port RS232 for data downloading.
- ❖ Can be used to check liquid sample with Three Terminal oil cell.
- ❖ Storage 100 Test reports

Technical Specifications

- ❖ **Operating Voltage** : Mains 230VAC \pm 10%, 50Hz Single Phase
- ❖ **Test Voltage** : **AC** – 10V to 500V Settable
: **DC** – 500V Settable in 100V Steps
 - Resolution : 0. 1V
 - Accuracy : \pm 1%
- ❖ **Capacitance Range** : 1pf to 10000pF
 - Resolution : 0.01pf
 - Accuracy : 0.5% \pm 1pF
- ❖ **Dielectric Constant Range** : 1 to 100
 - Accuracy : \pm 0.5%
- ❖ **Dissipation factor (Tan δ)** : 0 to 100%
 - Resolution : 1 X 10e-5 (0.001%)
 - Accuracy : \pm 1% \pm 2 X 10e-4
- ❖ **Insulation Resistance** : 1M Ω to 100T Ω
 - Accuracy : \pm 1% up to 1Gega and \pm 2% above 1Gega
- ❖ **Volume & Surface Resistivity** : Max up to 10e17 Ohm cm

SIVANANDA ELECTRONICS

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**MFRS. OF : ELECTRONIC INSTRUMENTS, METAL DETECTORS, TURNSTILES, COMPUTERISED ATTENDANCE
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