



SIVA INSTRUMENTS

Dielectric Constant Meter

Model :DCM1 [Freq. 1MHz]



An ISO 9001:2000 COMPANY



Salient Features

The dielectric Constant Meter is specially designed for measurement of relative dielectric constant permittivity of semi-solid or liquid insulating materials at 1 MHz test frequency as per ASTM D 924. This instrument is used with SIVA Three Terminal Oil Cell. It can also be used with any other test zig. The reading of dielectric constant is direct and no calculations are involved.

- Suitable for measurement of dielectric constant of liquid and semi-solid insulating materials. It can also be suitable for solid insulating materials if used with proper zig.
- Particularly very useful for testing of petroleum jelly, wax etc.
- Test signal is pure sinusoidal waveform of 1 MHz frequency.
- Direct Reading of dielectric constant. No calculations involved.
- Digital Readout.
- Built in calibration facility.
- Operates directly on 230 VAC mains supply.
- Attractive housing.

Technical Specification

Test Frequency : 1MHz

Dielectric Constant Range : 1 to 19.99 Max.

**capacitance of guarded oil cell
with or without specimen : 1200
pF**

Resolution :0.01

Accuracy :± 1% of the reading ± 1 digit

Indication :½ digit LED panel meter

**Power Supply :30 VAC ± 10% 50 Hz, 1 phase
(110 VAC, 60 Hz on request)**

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