



CIE-777HM

MOTOR CUM HAND OPERATED INSULATION TESTER

Motor Cum Hand Operated | Wooden Cabinet Construction

The CIE-777HM is a high voltage insulation testing instrument designed for reliable performance in laboratory, workshop and field applications. It can be operated using 230 V AC mains or manually using the built-in hand generator.

A constant output voltage governor ensures stable test voltage during hand operation. The anti-parallax mirror scale and Guard terminal provide accurate and dependable measurements with minimum errors.

Ideal for testing insulation resistance of motors, transformers, generators, switchgear, power cables and electrical installations.



**MOTOR CUM
HAND OPERATED**
Dual Operating
Modes



**CONSTANT OUTPUT
VOLTAGE GOVERNOR**
Stable Test
Voltage



**ANTI-PARALLAX
MIRROR SCALE**
Accurate Analogue
Reading



GUARD TERMINAL
Minimizes Surface
Leakage Errors



**INSULATION
RESISTANCE
TESTING**
Up to 10,000 V DC
Models Available



**IS 2992:1987
CONFORMING**
Designed to
Indian Standard

KEY FEATURES

- ✓ Dual Operation (Motor & Hand Operated)
- ✓ Constant Output Voltage Governor
- ✓ High Sensitivity Cross-Coil Indicating Meter
- ✓ Anti-Parallax Mirror Scale
- ✓ Guard Terminal for Leakage Compensation
- ✓ Foldable Hand Generator Mechanism
- ✓ Infinity Adjustment Facility
- ✓ Fast Response Measurement (Approx. 3 s)
- ✓ Suitable for Polarization Index (PI) Testing
- ✓ Suitable for Dielectric Absorption Ratio (DAR) Testing
- ✓ Conforms to IS 2992:1987

TECHNICAL SPECIFICATIONS

Instrument Type	Motor Cum Hand Operated Insulation Tester
Operating Modes	AC Motor / Manual Hand Generator
Mains Supply	230 V AC, 50 Hz
Accuracy	As per IS 2992:1987
Scale Length	100 mm (Approx.)
Response Time	Approx. 3 Seconds
Dimensions	14 × 10 × 10 in. (Approx.)
Weight	12 kg
High Voltage Test	Withstands Minimum 2 kV AC for 1 Minute
Insulation Resistance	Better than 50 MΩ at 500 V DC
Cabinet Construction	Seasoned Wooden Cabinet

AVAILABLE RANGES

The CIE-777HM Insulation Tester is available in single-range and multi-range configurations.

- Available from 500 V to 10,000 V DC with suitable insulation resistance ranges.
- Multi-range instruments are supplied with a rotary range selector switch.
- Special resistance ranges can be manufactured against specific customer requirements.
- Anti-parallax mirror scale is not provided for triple-range and above instruments.

STANDARD ACCESSORIES

- Mains Cord (2 m)
- Instruction Manual

OPTIONAL ACCESSORIES

- High Voltage Test Leads (Pair – 2 m)
- Carrying Case
- 15 Minute Timer (Optional)

IDEAL FOR



Power
Utilities



Electrical
Maintenance



Industrial
Plants



Motors &
Generators



Transformers



Switchgear &
Distribution Systems



Power
Cables



Rotating
Machinery



Testing
Laboratories



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