



CIE-777

MOTOR OPERATED INSULATION TESTER

Motor Operated | Wooden Cabinet Construction

The CIE-777 Motor Operated Insulation Tester is a high voltage instrument designed for accurate insulation resistance measurement in laboratory, workshop and industrial environments. Powered by 230 V AC mains supply, it delivers stable output voltage and quick, reliable measurements for routine testing and preventive maintenance.

The instrument is ideal for testing motors, transformers, generators, switchgear, power cables and electrical installations. Its high sensitivity cross-coil meter with anti-parallax mirror scale ensures precise readings, while the Guard terminal minimizes surface leakage currents for improved accuracy.

Housed in a seasoned wooden cabinet, the CIE-777 offers rugged construction and long service life for demanding applications.



MOTOR OPERATED
230 V AC Operation



**STABLE OUTPUT
VOLTAGE**
Consistent & Reliable
Performance



**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

- ✓ Motor Operated (230 V AC Supply)
- ✓ Stable Output Voltage
- ✓ High Sensitivity Cross-Coil Indicating Meter
- ✓ Anti-Parallax Mirror Scale
- ✓ Guard Terminal for Leakage Compensation
- ✓ 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 Operated Insulation Tester
Operating Mode	AC Motor Operation
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 x 10 x 10 in. (Approx.)
Weight	9 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-777 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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