



Cambridge Instruments
& Engg. Co.

EST. 1963 · HOWRAH, INDIA

INSULATION TESTER · MOTOR-CUM-HAND OPERATED

CIE/777 HM

Insulation tester · motor + hand-crank backup · sustained PI / DAR

01 KEY FEATURES

- Motor drive with hand-crank backup
- Sustained PI & DAR testing (motor mode)
- Centrifugal governor (hand mode)
- Collapsible generator handle
- Guard terminal & infinity adjuster



CIE/777 HM · INSULATION TESTER

02 TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
DRIVE & MEASUREMENT	
Drive	Mains motor (230V, 50Hz A.C.) + collapsible hand-crank
Scale Length	100 mm (approx.)
Accuracy	As per IS: 2992-1987
Response Time	3 seconds
Range Configuration	Multiple range options available - specify at order
Guard Terminal & Infinity Adjuster	Guard ring & guard terminal eliminate surface-leakage errors; infinity adjuster provided
TEST & SAFETY	
High Voltage Test	Min. 2kV or (rated V + 1)kV A.C. r.m.s., 1 min
Insulation Resistance Test	Better than 50 MΩ at 500V D.C.
GENERAL	
Body	Seasoned wooden cabinet, sunmica finish, detachable lid, handle, lock
Dimensions (top cover)	14 × 10 × 10 inch (approx.)
Weight (top cover)	12 kg (approx.) - vs 9 kg for plain CIE/777
Warranty	12 months against manufacturing defects only

Custom ranges and configurations can also be built against specific requirements.

03 APPLICATIONS

- Field testing where mains supply is uncertain
- Sustained PI & DAR testing (motor-driven mode)
- Remote substation and railway traction commissioning
- HV transformer and cable insulation assessment

04 WHAT'S IN THE BOX

- ✓ Mains cord, 2 metres
- ✓ 1 pair of H.V. testing leads

05 OPTIONAL ACCESSORIES

- + Rexine carrying case
- + 15-minute timer facility
- + Additional/special H.V. leads, 2m
- + Dual voltage & range option
- + Single voltage, dual range option