



**Cambridge Instruments
& Engg. Co.**

EST. 1963 · HOWRAH, INDIA

INSULATION TESTER · HAND-DRIVEN

CIE/444

Hand-driven insulation tester · centrifugal governor · cross-coil indicator

01 KEY FEATURES

- Centrifugal governor
- Cross-coil indicator
- Anti-parallax mirror scale
- Anti-magnetic aluminium, die-cast body
- Collapsible generator handle

Supplied as base instrument only – carrying case, test leads, and range options available at extra cost.



CIE/444 · INSULATION TESTER

02 TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
MEASUREMENT	
Scale Length	90 mm (approx.)
Accuracy	Conforms to IS: 2992-1987
Response Time	3 seconds
Range Configuration	Multiple range options available - specify at order
Guard Terminal & Infinity Adjuster	Provided on instruments with insulation range 1000 MΩ and above
GENERATOR	
Generator Type	Hand-driven generator, centrifugal governor
Rotation Speed	160 r.p.m. or more
TEST & SAFETY	
High Voltage Test	Min. 2000V or (rated V + 1000)V A.C. r.m.s., 1 min
Insulation Resistance Test	Better than 50 MΩ at 500V D.C.
GENERAL	
Body	Anti-magnetic aluminium
Dimensions (L×W×H)	110 × 128 × 195 mm (approx.)
Weight	2.5 kg (approx.)
Warranty	12 months against manufacturing defects only

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

03 APPLICATIONS

- Motors, generators, and other rotating machinery
- Insulation control and switching equipment checks
- Distribution network and cable insulation testing
- Transformer, insulator, and installation checks
- Locating shorts, defects, and insulation failures

04 OPTIONAL ACCESSORIES

- + Carrying case
- + Test leads, 1m/2m
- + H.V. test leads, 2m
- + Dual voltage/range option

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All specifications are subject to change without prior notice. © Cambridge Instruments & Engg. Co. - CIE/444 Product Catalogue.