



**CAMBRIDGE INSTRUMENTS
& ENGINEERING CO.**

Instruments for Accuracy & Reliability



Professional Testing.
Field-Ready.
One Instrument.
Reliable Results.

CIE-222M

EARTH TESTER

Magneto Generator Type | Aluminium Body

Professional instrument for accurate measurement of earth resistance and earth resistivity in power systems, electrical installations and various industrial applications.

KEY FEATURES

- ✓ Hand Driven Generator
- ✓ Constant Output Voltage Governor
- ✓ Wide Anti-Parallax Mirror Scale
- ✓ Protected Flap Over Scale Window
- ✓ Aluminium Casted Body
- ✓ Foldable Collapsible Handle
- ✓ Accurate & Quick Response Measurement
- ✓ Conforms to IS 9223:1979



HAND DRIVEN
GENERATOR



CONSTANT VOLTAGE
GOVERNOR



ANTI-PARALLAX
SCALE



ALUMINIUM
BODY



EARTH
RESISTANCE
TESTING



EARTH
RESISTIVITY
TESTING
(4 TERMINAL
MODELS)

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Type	Hand Driven Generator Type
Accuracy	±5% (IS 9223:1979)
Generator Speed	160 RPM
Scale Length	80 mm Approx.
Weight	Approx. 2.5 kg
Dimensions	110 × 128 × 190 mm
Dielectric Test	2 kV AC for 1 Minute
Body Material	Aluminium Casted Metal Body
Insulation Resistance Test	Better than 25MΩ at 500V DC

RANGES AVAILABLE

CIE-222M Earth Testers are available in Three Terminal and Four Terminal configurations.

- ✓ Available in single range from 0-1Ω to 10,000Ω (Any one range)
- ✓ Also available in multi-range provided with range selector switch, to be chosen from 0-1Ω to 10,000Ω
- ✓ Any other range/s can also be made against specific requirement.

Note:
Anti-parallax mirror scale is not provided for Triple Range & above instruments.

OPTIONAL ACCESSORIES

For Type 3 Terminal Earth Tester

- 2 Nos. Spikes (45 cm Length)
- 3 Nos. Cables (10 m, 10 m, 20 m)
- 1 No. Hammer
- Carry Bag

For Type 4 Terminal Earth Tester

- 4 Nos. Spikes (45 cm Length)
- 4 Nos. Cables (10 m, 20 m, 20 m, 30 m)
- 1 No. Hammer
- Carry Bag

IDEAL FOR



POWER
UTILITIES



SUBSTATIONS



ELECTRICAL
MAINTENANCE



RAILWAY
ELECTRIFICATION



TELECOMMUNICATION
NETWORKS



LIGHTNING
PROTECTION
SYSTEMS



INDUSTRIAL
INSTALLATIONS



CONSTRUCTION
PROJECTS



SOIL
RESISTIVITY
STUDIES



EARTHING
AUDITS



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CIE in a continuing effort to offer excellent products at a fair value, reserves the right to change models, specifications and designs without notice.