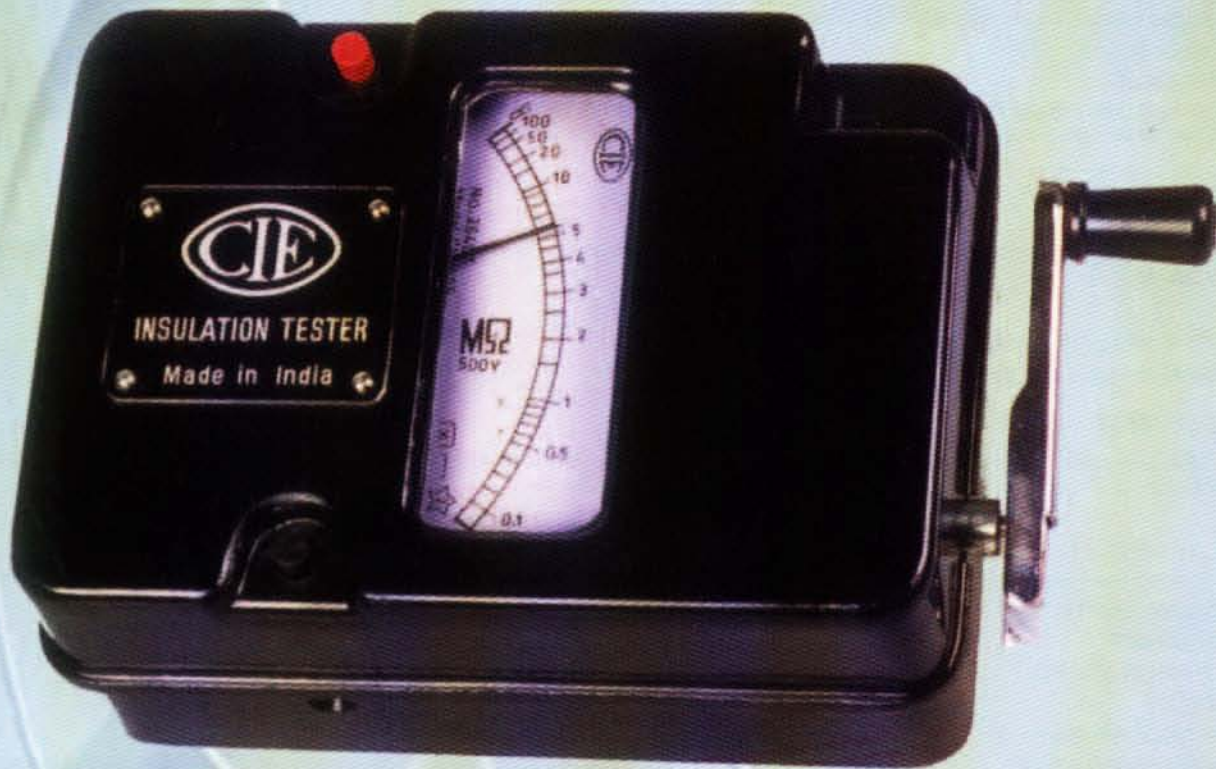




# INSULATION TESTER

HAND DRIVEN GENERATOR TYPE (BAKELITE BODY)

MODEL : CIE / 555



## SPECIAL FEATURES

- Silent Generator
- Graceful appearance
- Accurate & Quick response
- Confirms to ISS : 2992/1987
- High sensitive cross coil indicator
- Collapsible Driven Handle, fold back flush into casing when not in use
- Chuck nut locking arrangement to prevent Anti-clockwise Rotation
- Moulded with high grade bakelite powder
- Rubber shoes provided holds the surface and gives instrument stability
- Two push buttons provided for connection and designed to accommodate standard cable or 4 mm plug

**INSTRUMENTS FOR ACCURACY & RELIABILITY**



# INSULATION TESTER

**HAND DRIVEN GENERATOR TYPE (BAKELITE BODY)**

**MODEL  
CIE /555**

## APPLICATION

'CIE' Insulation Tester is a compact portable unit incorporating most modern features used for direct reading of electrical operating machines, Rotating Plant equipment, Stationary apparatus, Insulation Control and switching equipment, Distribution networks, Communication cables, Insulators, Transformers, Industrial Installations, Cable, electrical components, wiring and other devices capable of carrying the rated voltages. It is a Versatile instruments in locating intermittent shorts defective electrical connections insulation and conductor failure and in preventing costly repairs & break down insulation value.

## PRINCIPLE

'CIE' Insulation Tester consists of a Hand Driven Clutch type A.C. Generator and a High Sensitive CROSS COIL Indicator. The A.C. Voltage generated is converted into D.C. voltage by Silicon Diodes.

## CONSTRUCTION

Moulded with high Grade Bakelite Powder. Two push buttons are provided for connection and designed to accomodate standard cable or 4mm plug. The DUST FREE INSTRUMENT. Rubber shoes hold the surface and gives the instrument stability

## SALIENT FEATURES

### GENERATOR

The A.C. Generator drives extremely silent and smooth because of excellent Dynamic Balance of Rotating Parts and is free from any mechanical noise.

### GENERATOR DRIVEN HANDLE- Collapsible

Fold back flush into the casing when tester is not in use.

## QUICK RESPONSE

Response time is 3 seconds, when a resistance whose value corresponds to the central scale mark is suddenly inserted between the measurement terminals as per ISS:2992-1987.

## TECHNICAL DETAILS

<b>SCALE LENGTH</b>	:	75 mm. (approx.)
<b>ACCURACY</b>	:	Confirms to ISS : 2992-1987
<b>ROTATION SPEED</b>	:	160 r.p.m.
<b>WEIGHT</b>	:	1.4 kg (approx.)
<b>DIMENSIONS (In mm)</b>	:	155 X 104 X 70 (approx.)
<b>HIGH VOLTAGE TEST</b>	:	Withstands minimum 2000 Volts or (Rated Voltage + 1000) Volts A.C. (rms) between the electrical circuit & the handle for one minute.
<b>INSULATION RESISTANCE TEST</b>	:	Better than 50 Megohms at 500 V between the electrical circuit and the containing case.
<b>RESPONSE TIME</b>	:	3 seconds
<b>GUARANTEE</b>	:	Guaranteed for 12 months against any manufacturing defects.

## RANGES

CIE / 555 is available from 100V to 1000V with respectively suitable resistance range. Special resistance range can also be manufactured against specific enquiries.

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

*Manufactured & Designed by :*

**CAMBRIDGE INSTRUMENTS & ENGINEERING CO.**

