

# WACO Analogue Earth Tester Hand Driven Generator Type

## Application

'WACO' Earth Tester permits direct measurement of the resistance of earth used in power circuits. Telecommunication, Railway Electrification, Domestic & Industrial Electrical Installation, Lighting Protection Installation and various other Electrical Systems. The tester performs equally well in Terrain where the conductivity of the soil is low, e.g., in mountainous areas and in places where powerful stray earth current exist.

The four terminal instrument is specially designed for making straight forward and approximate soil investigation of the kind needed in agricultural, geological research and in the planning of large civil engineering projects such as tunnels, Drainage, Sewerage schemes, Tube-Railways etc.

Measuring accuracy of the instrument is not effected by stray alternating or back e.m.f. of earth electrolytic. The instrument can also be used for measuring non-inductive or non-capacitive resistance.

## Features

- Silent Generator with Collapsible Handle
- Centrifugal Clutch (Governor) For Constant Output Voltage
- Chuck Nut Locking Arrangement to Prevent Anti-Clockwise Rotation
- Anti Magnetic Aluminium Body with Protected Metallic Flap Over Glass Window of Scale
- Accurate, Reliable and Quick Response For Measurement of Resistance of Earth
- Accuracy CONFIRMS to IS : 923/1979
- Graceful Appearance, Long Life & Strength Against Vibration & Impact

## Technical Details

Scale Length	: 80mm (Approx)
Accuracy	: $\pm 5\%$ (as per IS: 9223/1979)
Generator Rotation Speed	: 160 rpm
Weight	: 2.5 kg (Approx)
Dimensions (in mm)	: 110 x 128 x 190 (Approx)



## Electrical Specifications

High Voltage Test	: 2KV AC (rms) for 1 min. between Electrical Circuit & containing case
Insulation Resistance Test	: Better than 25 Megohms at 500 V DC between electrical circuit & containing case

## Types

Available in four terminals (For measurement of Earth resistance & soil resistivity both)

## Ranges

- Available single range from 0 - 10 ohm to 10000 ohm ( Any one range)
- Also available in multi ranges provided with range selector switch , to be chosen from 0 - 1 ohm to 10,000 ohm

## Guarantee

Guaranteed for 12 (twelve) months against any manufacturing defects