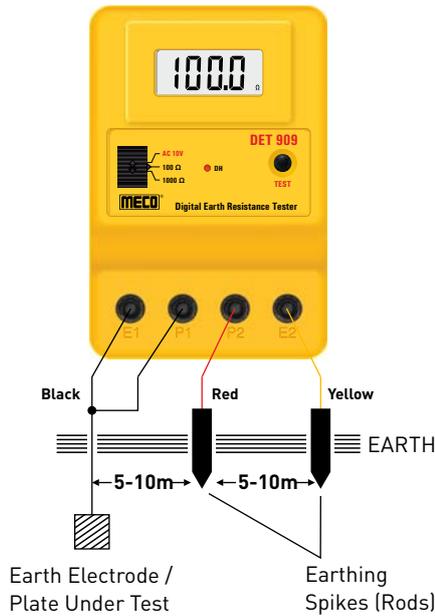




## Precision Earth Resistance Measurement



**Optional**

### Introduction

**MECO DET909 is designed with technical know how from FUSO Electric Company of Japan.** It is useful for measurement of Earth Resistance of Earthing in the Electrical System. This Instrument finds wide applications for testing Earthing of installations in Power Industries, Telecommunication Networks & Electrical Systems etc. It also measures Earth Voltage. DET 909 has 820Hz test frequency which eliminates the interference due to harmonics & noise.

### Features

- 3½ Digit (1999 Counts) 14 mm LCD Display with Backlight
- Auto Power Off Function (after 3-5 min.)
- Measurement Frequency 820Hz
- Capable of Measuring Earth Voltage (0 - 10V AC)
- Light Weight & Portable
- Extremely Simple to Operate Connect - Press - Read
- Designed to Reject High Levels of Noise & Interference
- Data Hold (DH) & Low Battery Indication

- Designed to Generally Conform to IS10656-1983
- Range Selection & Single Person Push Button Operation
- Switches
- Two Ranges for Earth Resistance Measurement
- Functions Icons on Display
- Re-Chargeable Battery Operated with Built-in Charger
- IEC 1010 CAT III 200V
- Sturdy, Elegant & Compact Body

### Electrical Specifications

Specification	Range	Resolution
Earth Resistance	100Ω (0.3 ~ 100.0)	0.1 Ω
	1000Ω (3 ~ 1000)	1 Ω
Earth Voltage	10V AC (0 ~ 10.00)	0.01V AC

### General Specifications :

Accuracy	±(3% rdg.+5 dgt.) For Earth Resistance Valid from 5% of Reading to 95% of Range	at 23°C ±5°C
	± (1% rdg. + 2 dgt.) For Earth Voltage	
Test Current	10mA AC (MAX.)	
Conversion Rate	2.5 Sec	
Over Range Indication	"1" is displayed	
Operating Temperature	0° to 50°C	
Storage Temperature	-20° to 60°C	
Relative Humidity	80% Maximum	
Low Battery	'' Is Displayed when Battery Voltage drops below Operating Voltage	
Dielectric Strength	2.5KV @ 50Hz for 1min, between Input Terminals & Case	
Insulation Resistance	More than 50MΩ @ 500V between Input Terminals & Case	
VA-Power	< 3.0VA	
Power Supply	Internal Rechargeable 1.2V 'AA' x 8 Batteries	
Dimensions	166 x 111 x 75mm (approx.)	
Weight	525gms. Including Battery (approx.)	
Accessories (Standard)	Carrying Case x 1, 1.2V 'AA' Rechargeable Batteries (fitted in) x 8, Instruction Manual x 1, Carton x 1, 2 Pin Male-Female Wire for Battery Charging	
Accessories (Optional)	Test Leads x 1 Set (Red, Yellow, Black), Earthing Spikes (Rods) x 2	