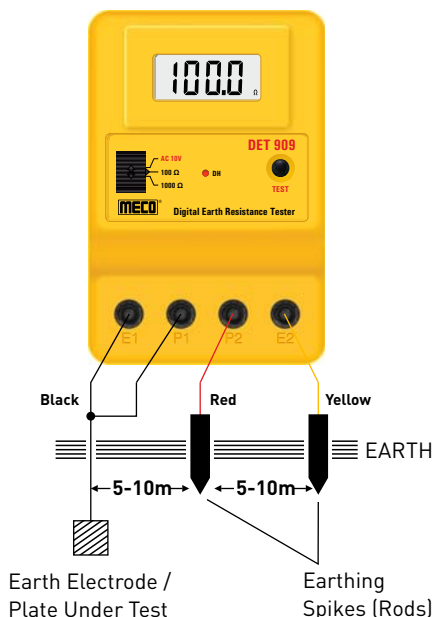




DET 909

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	