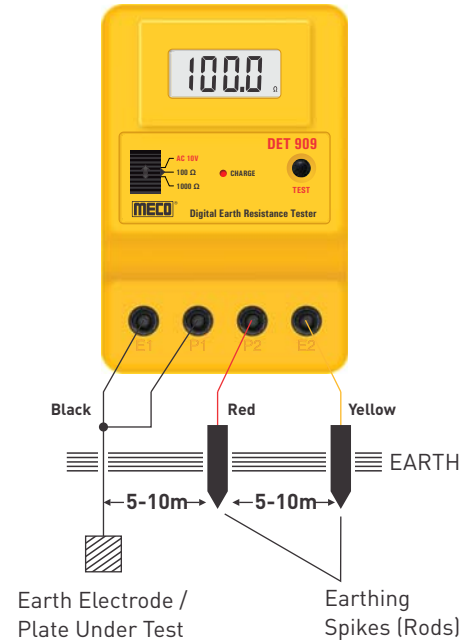




DET 909

Precision Earth Resistance Measurement



Introduction

MECO DET 909 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 Traction Systems etc. It also measures Earth Voltage.

Features

- 3½ Digit (1999 Counts) 14mm LCD Display
- Auto Power Off Function (after 3-5min.)
- Low Battery Indication
- 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
- 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
- Battery Operated
- IEC 1010 CAT III 200V
- Sturdy, Elegant & Compact Body

Electrical Specifications

Specification	Range	Resolution
Earth Resistance	0 - 100Ω	0.1Ω
	0 - 1000Ω	1Ω
Earth Voltage	0 - 10V AC	0.01VAC

General Specifications :

Display	3½ dgt. (1999 Counts) LCD Display with 14mm height.	
Accuracy	± (3% rdg. + 5 dgt.) For Earth Resistance	at 23°C ±5°C
	± (1% rdg. + 2 dgt.) For Earth Voltage	
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 Circuit & Case	
VA-Power	< 3.0VA	
Power	1.2V 'AA' x 8 Rechargeable 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	
Accessories (Optional)	Test Leads x 1 Set (Red, Yellow, Black), Earthing Spikes (Rods) x 2	