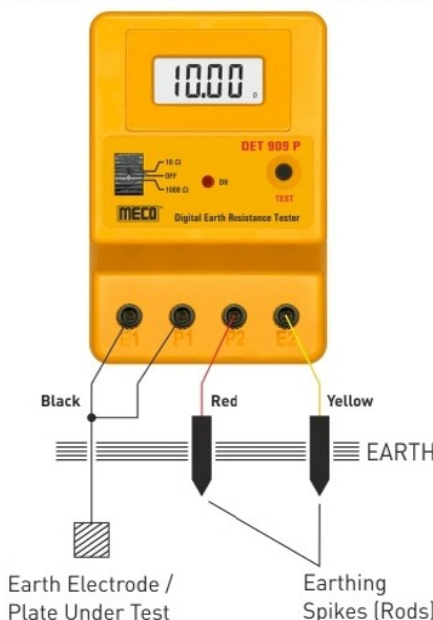




DET 909 P

Precision Earth Resistance Measurement



Optional

Introduction

MECO DET 909 P is designed 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.

Features

- 3½ Digit (1999 Counts) 14 mm LCD Display with Backlight
- Measurement Frequency 150Hz
- 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 EN61557
- 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 SMPS Charger
- EN61010-1 CAT III 100V
- Sturdy, Elegant & Compact Body

Electrical Specifications

Specification	Range	Resolution
Earth Resistance	10Ω (0.03 ~ 10.00)	0.01 Ω
	1000Ω (3 ~ 1000)	1 Ω

General Specifications :

Accuracy	±(3% rdg.+5 dgt.) For Earth Resistance Valid from 5% of Reading to 95% of Range	at 23°C ±5°C
Test Current	30mA AC (MAX.) for 10Ω and 7mA AC (max.) for 1000Ω	
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, DET 909 Resistance Verification Jig	