



Product Kit



Insulation Resistance
Measurement Test Leads



DIT 918+



Batteries



Carrying Bag

Introduction

MECO DIT 918+ is a 2.5KV Digital Insulation Tester with Large LCD Display. It measures Insulation Resistance upto 200GΩ AC Voltage upto 600V and DC Voltage up to 1000V. It has Special functions to Measure P.I. (Polarization Index) and D.A.R. (Dielectric Absorption Ratio). It is ideally suited for testing of Insulation Resistance and Voltage of Transformers, Switches, High Voltage Systems, Cables, Appliances, Motors etc.

Features

- Large LCD Display (128 x 64 Dot-Matrix)
- High Accuracy for Insulation Measurement and for AC/DC Voltage Measurement
- Suitable for P.I. & D.A.R. Measurement
- Range Selection & Single Person Push Button Operation
- Data Holding Function
- Measurement of Voltage upto 600VAC and 1000VDC
- Auto Range (Insulation Test)
- Red LED Indicator and Red Backlight for HV (High Voltage)
- Battery Operated
- As per IS10656-1983
- As per Safety Standard IEC/EN 61010-1 & 61010-31
- Over Voltage CAT II, 600V
- As per EMC Standard IEC 61326 Class B

Electrical Specifications

Accuracy : $\pm(\% \text{ reading} + \text{digits})$ at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$; $\text{RH} \leq 75\%$

Specification	Test Voltage	Range	Resolution	Test Current	Accuracy
Insulation Resistance	1000V / 2500V DC	0.1MΩ to 200MΩ	0.01MΩ to 0.1GΩ	2mA (Maximum)	$\pm(3\% + 5)$
		200MΩ to 10GΩ			$\pm(5\% + 5)$
		10GΩ to 200GΩ			$\pm(10\% + 5)$
AC Voltage Measurement	-	0 ~ 600VAC (40 ~ 60Hz)	1V	-	$\pm(2\% + 5)$
DC Voltage Measurement	-	0 ~ 1000VDC		-	

General Specifications

Display	Large LCD Display (128 x 64 Dot-Matrix)
High Voltage LED Indication	✓
Terminal Voltage (E&L) Indication on LCD Display	✓
Data Hold	✓
Low Battery Indication	✓
Low Resistance Warning	✓
Operating Temperature	0°C to 40°C (RH \leq 80%)
Storage Temperature	- 10°C to 50°C (RH \leq 85%)
Power	9V [Six 1.5V "AA" Battery]
Dimensions	150 x 100 x 70mm (approx.)
Weight	680 gms including batteries (approx.)
Standard Accessories	Test and Calibration Certificate, Insulation Resistance Measurement Test Leads x 1 Set, 1.5V AA Batteries x 6 pcs, Carrying Bag x 1 pc, Instruction Manual x 1 pc