

new

Preliminary Data

CE

**TYPE TEST
Confirming to
BIS 10656-83**



Rechargeable Batteries



AC Adaptor



Insulation Resistance Measurement Test Leads

Product Kit



Carrying Bag

Introduction

MECO - DIT 927 is a 2.5KV Digital Insulation Tester with 3½ Digit (1999 Counts) Large Display. It measures Insulation Resistance upto 20GΩ and AC Voltage upto 600VAC. It is ideally suited for testing of Insulation Resistance and Voltage of Distribution Transformers, Switches, High Voltage Systems, Cables, Appliances, Motors etc.

Features

- 3½ Digit (1999 Counts) Large LCD Display
- High Accuracy for Insulation Measurement and for AC Voltage Measurement
- Single Person Push Button for Test / Stop
- Data Hold Function
- Display with Annunciators
- As per Safety Standard IEC/EN 61010-1 & 61010-31
- Measurement of AC Voltage upto 600VAC
- Auto Range (Insulation Resistance Test)
- Red LED Indicator for HV (High Voltage) Warning
- Battery Operated with AC Adaptor
- Suitable for Calculating PI & DAR (Manually)
- As per IS10656-1983
- As per EMC Standard IEC 61326-1 Class B
- Over Voltage CAT III, 600V
- IP 44 Protection

Electrical Specifications

Accuracy : ±(% reading + digits) at 23°C ± 5°C; RH ≤ 75%

| Specification | Test Voltage | Range | Accuracy | Resolution |
|------------------------|--------------------------------|----------------|------------------|------------|
| Insulation Resistance | 250V / 500V / 1000V / 2500V DC | 0.1MΩ to 200MΩ | ±(3%rdg+5 dgt.) | 0.01MΩ |
| | | 200MΩ to 10GΩ | ±(5%rdg+5 dgt.) | |
| | | 10GΩ to 20GΩ | ±(10%rdg+5 dgt.) | |
| AC Voltage Measurement | 0 - 600VAC (40 - 60Hz) | - | ±(2%rdg+5 dgt.) | 1V |

General Specifications

| | |
|-------------------------|--|
| Display | 3½ Digit (1999 Counts) Large LCD Display with 29mm Digit Height |
| Over-Range Indication | '1' is displayed |
| High Voltage Indication | ✓ |
| Data Hold | ✓ |
| Low Battery Indication | ✓ |
| Short Circuit Buzzer | ✓ |
| Operating Temperature | 0°C to 40°C (RH ≤ 80%) |
| Storage Temperature | - 10°C to 50°C (RH ≤ 85%) |
| Power | 12V (8 x 1.5V) (R6 AA Size Batteries) or AC Adaptor 12V DC |
| Dimensions | 190 x 155 x 75mm (approx.) |
| Weight | 900gms including Rechargeable Batteries (approx.) |
| Standard Accessories | Insulation Resistance Measurement Test Leads for High Voltage (Red x 1 pc and Black x 2 pcs) 1.5V AA Rechargeable Batteries x 8 pcs, AC Adaptor x 1 pc, Carrying Bag x 1 pc and Instruction Manual x 1 pc |