

INTRODUCTION

The Metravi DIT-905, DIT-906 and DIT-907 are professional-grade Insulation Resistance Testers designed for preventive maintenance, commissioning, troubleshooting, and safety verification of electrical installations and equipment.

With selectable test voltages from 50V to 5000V** and insulation resistance measurement up to 300GΩ**, these provide accurate and reliable assessment of insulation conditions in Cables, Motors, Transformers, Switchgear, Control Panels, and Industrial Electrical Systems.

Featuring a large LCD display, automatic ranging, PI (Polarization Index) and DAR (Dielectric Absorption Ratio) functions, data memory, Automatic Discharge, and CAT III/CAT IV safety ratings, these devices are an ideal solution for electricians, maintenance engineers, utility technicians, and industrial service professionals.

FEATURES

- Wide Insulation Resistance Measurement Range
- Suitable for both low-voltage and high-voltage insulation testing applications
- PI & DAR Diagnostic Functions
- CAT III 1000V / CAT IV 600V safety compliance
- AC/DC Voltage Measurement
- Data Storage & Recall
- User-Friendly Operation
- Portable & Field Ready

MODELS & ACCURACY

MODEL	RANGE		ACCURACY
DIT-905	50V	0.1MΩ ~ 500MΩ	+(5%+10)
	100V	0.1MΩ ~ 1.0GΩ	
	250V	0.1MΩ ~ 2.0GΩ	
	500V	0.1MΩ - 5GΩ	
	1000V	0.1MΩ ~ 20GΩ	
DIT-906	100V	0.1MΩ ~ 1.0GΩ	
	250V	0.1MΩ ~ 2.5GΩ	
	500V	0.1MΩ - 50GΩ	
	1000V	0.1MΩ ~ 100GΩ	
	2500V	0.1MΩ ~ 200GΩ	
DIT-907	250V	0.1MΩ ~ 2.5GΩ	
	500V	0.1MΩ - 50GΩ	
	1000V	0.1MΩ ~ 100GΩ	
	2500V	0.1MΩ ~ 200GΩ	
	5000V	0.1MΩ ~ 300GΩ	



APPLICATIONS

- Electrical switchboards & distribution panels
- Motors & generators
- Industrial machinery maintenance
- Transformer insulation testing
- Cable installation & commissioning
- Preventive maintenance programs
- Facility management & utilities
- Renewable energy systems (solar/wind)

SPECIFICATIONS

Parameter	Specification
AC/DC Voltage Measurement	0.1V-750V AC; 0.1V-1000V DC
Display Count	2000 Counts
Display	Backlit LCD with Analogue Bargraph
Range Selection	Auto
PI Measurement	Yes
DAR Measurement	Yes
Memory Storage	99 Records
Data Hold	Yes
Data Read/Recall	Yes
MAX/MIN Readings	Yes
Auto Power Off	Yes; approx. 15 mins.
Automatic Discharge	Yes
Low Battery Indication	Yes
Test Voltage Display	Yes
High Voltage Indication	Yes
Measurement Time Display	Yes
Power Supply	6 × 1.5V AA Alkaline Batteries
Weight	Approx. 690g (excluding batteries)
Dimensions	186 × 145 × 75 mm
Safety Rating	IEC/EN 61010-1 CAT III 1000V, CAT IV 600V

ACCESSORIES

Carrying Case, User Manual, Test Leads, Crocodile Clips, Batteries, Small Screwdriver



*Technical Specifications & Appearance are subject to change without prior notice