

METRAVI PRO®

PRO DIT-932 PRO DIT-932E PRO DIT-932F HIGH VOLTAGE DIGITAL INSULATION TESTERS

INTRODUCTION

Metravi Pro DIT-932 Series of Digital Insulation Resistance Testers, also known as megohm meters or high voltage insulation resistance meters, are used for insulation resistance testing.

These instruments have a large screen LCD with gray and white Backlight Display, Data Storage, Data Access, Alarms, Automatic Discharge, Charging, Automatic Shutdown and other functions.

At the same time, they also have the function of measuring the DC Voltage, AC Voltage, Absorption Ratio and Polarisation Index.

The instruments are beautiful and high-grade, wide range, high resolution, with convenient operation, are easy to carry, accurate, reliable, with stable performance, high output power and strong anti-interference ability.

Metravi Pro DIT-932 Series of Digital Insulation Resistance Testers feature shock-proof, dust-proof, moisture-proof structures, which adapt to harsh working environments, for Telecommunications, Power, Meteorological, Machine Rooms, Oil fields, Mechanical and Electrical Installations and maintenance.

These are commonly used and essential instruments, suitable for measuring the insulation resistance value of various insulation materials and transformers, motors, cables and electrical equipment.

FEATURES

- Consists of medium-scale integrated circuits
- Large output power
- Six (6) output voltage levels
- Rated Insulation Test Voltage range is 100V~15kV (output voltage is determined according to the model)
- Step Regulating Voltage function can output many different voltage levels (such as 15kV model can produce 12KV voltage class, wider range)
- Insulation Resistance measurement range 0.01 MΩ ~50T Ω (according to the model)
- DC voltage measurement range 0~1000V
- AC voltage measurement range 0~750V
- DC current measurement range 0.01 nA ~ 6 mA
- Capacitance measurement range 10 nF ~ 50 μF

MODELS SECTIONS

MODEL	PRO DIT-932	PRO DIT-932E	PRO DIT-932F
Maximum Outout Voltage	5000V	10KV	15KV
Resistance Limt Range	10TΩ	35TΩ	50TΩ



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



PRO DIT-932 PRO DIT-932E PRO DIT-932F
HIGH VOLTAGE DIGITAL INSULATION TESTERS

TECHNICAL SPECIFICATIONS

FUNCTION	SPECIFICATIONS		
Testings	Insulation Resistance Voltage Current Capacitance		
Base Condition	23°C ± 5°C, Below 75%RH		
Rated Voltage	100V; 250V; 500V; 1000V; 2500V; 5000V	Accuracy: ±3%rdg±5dgt	Precision rated voltage x (1±10%)
	250V; 500V; 1000V; 2500V; 5000V; 10kV		
	500V; 1000V; 2500V; 5000V; 10kV; 15kV		
Insulation Resistance Range	0.01MΩ~10TΩ	Accuracy: ±3%rdg±5dgt	Resolution 0.01MΩ
	0.01MΩ~35TΩ		
	0.01MΩ~50TΩ		
DC Voltage Range	0.1~1000V	Accuracy: ±1.5%rdg±3dgt	Resolution 0.1V
AC Voltage Range	0.1~750V		
DC Current	0.01nA~6mA	Accuracy: ±5.0%rdg±5dgt	Resolution 0.01nA
Capacitance	10nF~50uF	Accuracy: ±10%rdg±5dg	Resolution 10nF
Output Short Circuit Current	≥6mA		
Absorption Ratio	Yes		
Polarization Index	Yes		
Filter Test	10S 20S 30S 40S 50S		
Ramp Voltage Test	The target voltage is increased by 10% step to the final target voltage		
Discharge Index	Yes		
Insulation Resistance	≥50MΩ(Between measuring line and shell)		
Withstand Voltage	AC3kV/50Hz 1min		
Power	11.1V Rechargeable Batteries		

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TECHNICAL SPECIFICATIONS

FUNCTION	SPECIFICATIONS
Power	11.1V Rechargeable Batteries
Display	153.8mm×85.6mm 4-bit super-large LCD with gray and white screen backlight
Back Light	Controlled gray screen backlight, suitable for dim use
PC Interface	With USB interface, software monitoring, storage data can be uploaded to the computer, save printing
Mobile App	Yes, Bluetooth connection
Test Leads	High pressure bar red 3 meters, black resistance test input line 1.5 meters, black line 1.5 meters, green line 1.5 meters
Data Logging	500 groups, flashes FULL symbol indicates the storage is full
Data Access	Data access function: "MR" symbol display
Overflow Alarm	Overscale overflow function:> symbol display
Alarm Function	Yes
Auto Shutdown	The instrument shuts down after about 15 minutes without operation
Certifications	IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54), Pollution grade 2, CAT III 300
Operating Environment	- 10°C ~ +50°C; < 85%RH
Storage Environment	- 15°C ~ +55°C; < 90%RH
Dimensions	380mm (length) × 310mm (width) × 153mm (height)
Weight	3.80 kgs (including battery)
Accessories	High Voltage Probe, Black test Lead, Red Test Lead, Green Test Lead, CD with Software, USB Cable, Charger, User Manual

