IRT10

Insulation Resistance Tester
(Battery Operated)

تست مقاومت عایقی



The complete toolbox for testing and analyzing the insulation quality of electrical equipment

Features

- Up to 10KV and 10TΩ
- Measuring insulation resistance from 500KΩ to 10TΩ
- Adjustable Output Voltage from 250VDC to 10KVDC
- Battery and main line operated with fast charge
- Over 16 hour battery operation time
- Impact, water and dust resistant
- USB connectivity with PC software
- WIFI connectivity with user-friendly mobile app.
- Portable, heavy-duty, and light weight case
- Extremely reliable and easy to use

Application

- High power transformer manufacturers
- Circuit breaker manufacturers
- Repair and maintenance of electrical power plant companies
- Electrical power plant EPC companies
- Electrical power labs
- Big factories e.g. Steel, petrochemicals, refineries, and...
- Household electrical appliances manufacturers

TAPCO®
TARASHE PARDAZE POOYA

IRT10 Specifications

Specifications are valid at nominal input voltage and an ambient temperature of +25°C, (77°F).
Specifications are subject to change without notice.

General	
Type	Portable Insulation Resistance Tester
Main Voltage	100-240V AC/DC , 50 Hz
Built-in Battery With Automatic Charger	Li-ion, 11.1V/ 7800 mAh
Charge Time	2 Hours Full Charge
Battery Run Time	16 Hours 5KV @ 1GΩ Load
Dimensions (L x W x H)	**Basic Unit** 310 x 270 x 145 mm
Weight	4.5 kg
CAT Rating	CATIV 600V
Operations	
Test Types	IR(t), DAR, PI, (SV, Ramp Test (optional))
Resistance Measurement Range	500 KΩ to 10 TΩ
Resistance Measurement Accuracy	±5% up to 100 GΩ ± 20% up to 10 TΩ
Current Range And Measurement Accuracy	1 nA to 1.4 mA ± 5% ± 0.5 nA @ 50 nA
Voltage Measurement Accuracy	±1% reading ± 10V
Output Voltage	500, 1000, 2500, 5000, 10000 VDC Adjustable from 250 VDC to 10 KVDC
Environment	
Operating Temperature	-20 to 55 °C (-4 to 131 °F)
Storage Temperature	-30 to 70 °C (-22 to 158 °F)
Humidity	20% – 95% RH , Non-Condensing
Miscellaneous	
HV LED Indicator	
Storage Capacity For Over 430 Tests	
Internal Thermal Printer	
USB, WIFI Connectivity	
User-friendly Mobile App.	
PC Software	
Accessories	

3 x 3m High Voltage Probe Cables With Clamps (Black, Red, Blue)



Power & USB Cables



Case Cover



One Year Warranty, Five Years After Sales Services

TAPCO: Tarbiat Modares Science&Technology Park, Pajouhesh Bld, 17th km of Tehran-Karaj Highway Tehran-Iran
Tel:+98 21 44180002 Fax:+98 21 44184989 INFO@TAPCO1.COM WWW.TAPCO1.COM