

# IRT10

## Insulation Resistance Tester (Battery Operated)

تست مقاومت عایقی



The complete toolbox for testing and analyzing 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 hours battery operation time
- Impact, water and dust resistant
- Portable, heavy-duty, and light weight case
- Extremely reliable and easy to use
- USB, WIFI connectivity
- User-friendly mobile app.

### 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



# 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 )	<b>Basic Unit</b> 310 x 270 x 145 mm
Weight	4.5 kg
CAT Rating	CATIV 600V

## Operation

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

<p>3 x 3m High Voltage Probe Cables With Clamps (Black, Red, Blue)</p>	<p>Power &amp; USB Cable</p> 
	<p>Case Cover</p> 

**One Year Warranty, Five Years After Sales Services**