



## IRT.5B

### Product Overview

- Portable 5kV Insulation Resistance Tester.
- High-voltage insulation resistance tester, with 6 range: 250V, 500V, 1000V, 2500V, 5000V, test up to 2 TΩ.
- IEC 61010-1 CAT.IV 600V
- IEC 61326-1EMC specification: test, control and electrical equipment for testing
- IEC60529 IP65 (Outer closed state)



### Key Features:

- Real time display of voltage/current value curve
- Strictly in accordance with the safety standards for design
- Automatic display polarization index (PI), induced electric absorption test values than (DAR), and can test the leakage current and capacitance.
- Interference rejection .When the interference current reaches 2 mA, accuracy is ensured.
- 2 methods for power: use of lithium-ion batteries, battery life for up to 4 hours of testing.
- Insulation resistance simulation column.
- Digital filtering functions, external influence deviation display value causing mitigation point using filter function.
- Fuse Protection included.
- Timing test from 1-99999s
- Automatic Discharge

### Technical Specification:

- AC Power: 220V±10%,50/60 HZ ,20 VA
- Battery: 16.8V Lithium-ion rechargeable battery
- Battery Life: 5kV@100M, 6 hour
- Size (L x W x H) : 32cm x 28cm x 13cm
- Weight : 3,8kg
- Test voltage accuracy: the nominal value 100% to 110%
- Voltage measurement accuracy: 5%+3V
- Ramp Test:The output voltage will start at 10% of the preset voltage and increase in steps of 10% until the preset voltage is reached.
- Filtered Resistance Test Mod: 10S、20S、30S、40S(4 selection)
- Current measure precision: 5%+0.2nA
- Short-circuit current: **5mA**
- Capacitance test range: 0 – 99,99uF
- Capacitance testing accuracy: 10%+10nF
- Insulation resistance testing range and accuracy: 0.01mΩ
- Test results store & download via USB
- Internal memory storage up to 1000 groups

