

HF-LT-309

Wireless Insulator Insulation Resistance Tester



This tester measures insulation resistance of suspension insulators, quickly identifies deteriorated and low-value insulators, and evaluates insulation performance. Widely used for on-site detection in transmission lines and substations.

Technical specifications

Parameter	Value
1	GB 50150-2006 Standard for Acceptance Test of Electrical Equipment Installation Engineering
2	GB/T 311-1997 Insulation Coordination for High Voltage Transmission and Transformation Equipment
3	DL/T 626-2005 Inspection Code for Deteriorated Disc Suspension Insulators
4	DL/T 596-2005 Preventive Test Code for Electric Power Equipment
5	DL/T 846-2004 General Technical Conditions for High Voltage Test Equipment
6	DL/T 848-2004 General Technical Conditions for High Voltage Test Devices
7	GB 1094.1~GB 1094.6-96 Degrees of Protection Provided by Enclosures
Application Scope	Power-off inspection of disc suspension insulators on 35~500kV transmission lines
Measuring Resistance Range	10 ~ 3000 Mohm
Measuring Error	±10%
Resolution	1 Mohm
Sampling Rate	10 times/second
Operating Current	≤120mA (Handheld Terminal); ≤4uA (Probe)
Power Supply	Handheld Terminal: 2×1.5V AA dry batteries Probe: Built-in high-capacity lithium battery
Continuous Working Time	≥12 hours
Line-of-sight Transmission Distance between Probe & Handheld Terminal	≥100m under sufficient power
Handheld Terminal Display	Color LCD screen, visible under direct sunlight
Internal Data Storage	10,000 groups
Operating Temperature	-35°C ~ +60°C
Storage Temperature	-40°C ~ +65°C
Relative Humidity	≤90% RH, non-condensing

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.