

HF-LT-303

Post Insulator Tester



This Post Insulator Tester conducts insulation resistance and high voltage withstand tests for post insulators. It effectively detects hidden internal cracks, aging and insulation defects to avoid flashover faults in substations.

Key features

- All-aluminum metal housing, sturdy and durable with excellent electromagnetic shielding performance
- 360° rotary damping bracket and rubber handgrip for comfortable and convenient operation
- Tempered glass panel featuring high hardness, wear resistance and scratch resistance
- Full Chinese menu, main/sub menu and guided operation; assisted by shortcut keys and rotary encoder for easy control
- Full digital true-color LCD display with resolution 640×480 for delicate waveform presentation

Technical specifications

Parameter	Value
Detection Range	0 ~ 15000 mm
Operating Frequency	0.2 ~ 20 MHz
Sound Velocity Range	100 ~ 20000 m/s
Repetition Frequency	20 ~ 2000 Hz
Dynamic Range	≥36 dB
Vertical Linearity Error	≤1.5%
Horizontal Linearity Error	≤0.1%
Resolution	≥42dB (5P14)
Sensitivity Margin	≥65dB (Phi2 flat-bottom hole at depth 200mm)
Digital Suppression	0~80%, no impact on linearity and gain
Electrical Noise Level	≤10%
Supported Probes	Straight probe, angle probe, dual crystal probe, through transmission probe
Alarm Mode	Buzzer alarm & LED light alarm
Power Supply	DC 9V lithium battery; continuous working ≥12h
Overall Dimension	263×170×61 mm
Main Unit Weight	1.92 kg
Ambient Temperature	-10 ~ 50 °C
Relative Humidity	20 ~ 95% RH

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.