

HF-CH-208

Cable Sheath Fault Locator



The Cable Sheath Fault Locator is professional portable testing equipment for power systems. It quickly detects and accurately locates damages, punctures and breakdown points on underground high-voltage cable outer sheaths. It helps power crews repair faults efficiently, prevent cable corrosion and extend the service life of buried power cables.

Key features

- In the step voltage positioning mode, the cable outer sheath fault tester directly indicates the direction of the fault point, enabling rapid fault location.
- Under the fault current positioning mode, the instrument measures the resistive current inside the faulty cable to realize sectional positioning of the fault point.
- Via the high-voltage probe positioning mode, the cable outer sheath fault tester detects DC voltage on the faulty cable for fast pinpointing of faults.
- The step voltage locator boasts high sensitivity and a wide response range.
- Step Voltage Mode : Best for most outdoor soil ground scenarios, directly indicates fault direction with high sensitivity for quick rough positioning.

Technical specifications

Parameter	Value
Step Voltage Positioning	Step Voltage Probe 1% ($\pm 0.1\text{mV}$) 0.1mV $\pm 300\text{V}$ Signal waveform, fault point direction
Fault Current Positioning	Current Sensor 1% ($\pm 1\text{mA}$) 1mA $\pm 1\text{A}$ Signal waveform, fault current magnitude
High-Voltage Probe Positioning	High-Voltage Probe $<1\%$ ($10\text{V}-10\text{kV}$) 1V ($10\text{V}-1\text{kV}$) 10V ($1\text{kV}-10\text{kV}$) $\pm 10\text{kV}$ DC Voltage
Built-in Battery	18650 lithium battery, rated 3.7V, 6.8Ah
Operating Conditions	Temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$; Humidity: 10%~90% RH; Altitude: $<4500\text{m}$
Receiver Dimension & Weight	Size: $220\text{mm} \times 125\text{mm} \times 55\text{mm}$; Weight: 0.9kg

Standard scope of supply

No.	Item	Qty	Notes
1	Main Receiver Unit	1 Set	Built-in rechargeable 18650 lithium battery
2	Step Voltage Probe Assembly	1 Set	For step voltage fault pinpointing mode
3	Current Sensor	1 Pc	Used for fault current sectional positioning
4	High Voltage Probe	1 Pc	DC voltage detection for sheath faults
5	USB Charging Cable	1 Pc	For battery charging
6	User Operation Manual (English + Chinese)	1 Book	Detailed operation & parameter instructions
7	Calibration Certificate	1 Copy	Factory calibration report
8	Hard Portable Carrying Case	1 Pc	Shockproof storage for all accessories
9	Auxiliary Grounding Wires & Clips	1 Set	Auxiliary wiring for field testing

Compliance and documents

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

Optional accessories	[TO BE CONFIRMED]
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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.