Surge Wave Fault Pin-pointer

GM.1000

Product Overview

- The cable fault locator uses the acoustic-magnetic synchronization method to determine the location of the cable fault point.
- The electronic flashover is generated by the impulse discharge generator, picked up and amplified by the corresponding probe, and judged by auditory and visual sense to determine the precise location of the fault point, complete the precise positioning of the cable fault point within the range of the cable fault point, it integrates acoustic-magnetic time difference positioning technology, noise reduction technology, path assisted testing and other technologies, and provides multiple test modes and rich and diverse prompt information to efficiently and accurately complete cable fault location.
- This pointing instrument is suitable for low resistance, short circuit, open circuit and disconnection faults of various materials of different cross sections and different media, such as power cables, high frequency coaxial cables, streetlamp cables, and buried wires, as well as high resistance leakage and high resistance flashover fault.
- The technical parameters comply with "GB/T 18268.1 Requirements for Immunity of Test Equipment for Industrial Sites".

Measuring Function:

1 Acoustic-magnetic synchronization fixed-point function

Sound channel
a) Bandwidth
- All pass 100Hz~1500Hz
- Low pass 100Hz~400Hz
- High pass 150Hz~1500Hz
- Band pass 200Hz~600Hz

b) Signal gain Adjustable from 0 to 7 set points
c) Fixed-point accuracy : 0.1m
Magnetic field channel
a) Signal gain Adjustable from 0 to 7 set points
2 Acoustic-magnetic synchronization background noise reduction mode (BNR)
3 The sound signal strength bar graph indicates, and the sound trigger threshold is adjustable. (0-100 set points)
4 The electromagnetic signal strength bar graph indicates, the magnetic field trigger threshold is adjustable, and the magnetic field trigger prompt function is provided.
5 Acoustic-magnetic time difference positioning mode: waveform display, acoustic-magnetic time difference display.
6 Path auxiliary test: The direction of the path can be indicated by the icon on the left and right of the cable.
7 Power supply :
a) Battery: Built-in lithium-ion battery pack, voltage 8.4V, capacity 4.4Ah
b) Use time: continuous use time> 8 hours; 4400mAh
c) Charger: input AC220V±10%, 50Hz; nominal output 8.4V, 1A
d) Charging time: <6 hours.
8 Display mode: 7-inch colour LCD, 1024*600 resolution, with touch function.
9 Volume: Host 250mm×160mm×75mm.
10 Operating environment temperature: -25℃-40℃, humidity 5-90%RH, altitude <4500m.

Key Features:

1 Acoustic magnetic synchronous positioning technology is used to automatically calculate the acoustic magnetic time difference, reducing the dependence on sound monitoring.
2 The background noise reduction technology effectively filters out environmental and industrial noise and highlights the discharge sound at the fault location.
3 Combining the traditional acoustic measurement method and the advanced acoustic magnetic method, the operator freely chooses according to the usage habits.
4 The gain value and trigger value of the acoustic signal and magnetic signal can be adjusted manually, which is more convenient to fix the point.
5 It has the function of path auxiliary indication to avoid offsetting the path when the point is fixed.
6 Adjustable parameter s, select appropriate filter parameters, and suppress environmental noise.
7 Seven-inch touch highlight LCD to ensure visibility in the sun.
8 Built in high-capacity lithium-ion battery power supply, with fast charger.
9 Small and portable, light weight.