Surge Wave Fault Pin-pointer

GM.700

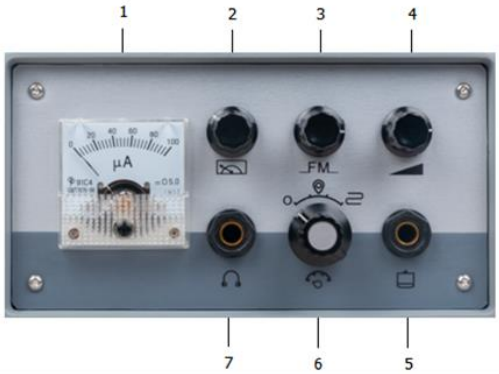
Product Overview

- The GM.700 power cable fault pin-pointer is designed with a microammeter display, with electrical level adjustment, frequency adjustment and volume adjustment knobs.
- By observing the swing of pointer on the microammeter, you can see the magnetic field strength during the flashover discharge at the fault point.
- Rotate the electrical level knob to adjust the reference of the magnetic field strength. In the process of path detection, adjusting the receiving frequency can make our ears hear the path signal that is easier to identify.
- Adjusting the frequency knob during the process of fault location can effectively avoid the radio signal.
- Adjust the volume during cable fault location and cable path finding, so that our ears hear a more appropriate sound signal.

Measuring Function:

- TDR.700 cable fault locator has 3 working modes: turn off, fixed point, path. When the unit is used for the precise location of the fault point of the cable, the working mode is adjusted to the fixed point.
- The path mode means that when the locator is used with the transmitter of the path it can be used as the receiver of the path meter.
- So, When you would like to detect cable path, the working mode can be adjusted to the path gear.

Magnification	500,000 Times
Positioning Accuracy	+/- 0,2m
Output Impedance	350Ω
Working power supply	2x standard 9V batteries
Quiescent current	<10mA
Continuous battery life	20 Hours operation
Working Conditions	Ambient temperature -20 - 50°C Relative Humidity < 90%



Key Features:

- Accurately locate the fault point by using the vibration wave, sound wave and electromagnetic wave generated by the flashover discharge at the fault point.
- Acoustic and magnetic channels are designed separately and powered separately, with stronger anti-interference ability.
- Super powerful magnification of 500,000 times, the detection depth is greater than 10 meters.
- Current is less than 10mA, ultra-low power consumption design, continuous operation for more than 20 hours.
- Zero electrical level design, can be adjusted arbitrarily, suitable for all kinds of strong and weak scenes.
- Small, light weight & easy to carry.

Panel Diagram:

1. Pointer head: indicates the strength of the magnetic field;
2. Level adjustment: adjust the reference of the magnetic field strength, so that the pointer head can swing effectively;
3. Frequency adjustment: Adjust the receiving frequency during the path detection process, so that our ears can hear the path signal that is easier to identify;
4. Volume adjustment: adjust at the fixed point and path, so that our ears can hear a more appropriate sound signal;
5. Input channel: connect the probe sensor when accurately determining the point, and connect the probe sensor when detecting the path;
6. Working method: choose working method;
7. Output channel: connect dedicated earphones.