

SG9103

Portable Cable Fault Locating System

SG9103 Portable Cable Fault Locating System meets the demanding needs of electrical utilities, industrials, and contractors who require a highly portable, easy to use. SG9103 Portable Cable Fault Locating System can measure cable's low resistance cable, high resistance, short circuit, open circuit, leakage and failure of flashover fault, accurate detection of underground cable fault location, the length of cables and cable laying path.



Device has Chinese or English system, high-definition display, user-friendly. The equipment user manual, standards and testing waveform wiring diagram, easy to operate; has wave comparison functions, to facilitate the two waveforms comparison simultaneous display, and it is movable; automatically fault distance calculation, doesn't have artificial conversion; can store test waveforms. The device has printing port, can print all text, graphics and waveform.

The device and computers are both connected to the USB port, through installed on software, it allows exchange with our engineers at the scene. Our professional engineers at the scene will help users to solve the testing problems.

Basic Index

Cable types can be measured:	different power, communications (coaxial) cable
Cable length:	not less than 15 km.
Sampling frequency:	30 MHz
Measurement error:	less than 0.5 m
Reading resolution rate:	$V/2f$ (m)
Machines and sent pulse width rate:	0.2 US, 100 ~ 120V; 2US, 150 ~ 160V
Display:	320 × 240LCD graphics and characters
Power and Power dissipation:	AC 200V ± 10% of not more than 10 W DC 6V (7AH) not more than 10 W
Weight:	4.2 kg weight host, the whole set of equipment weight is less than 15 kg

Testing Method

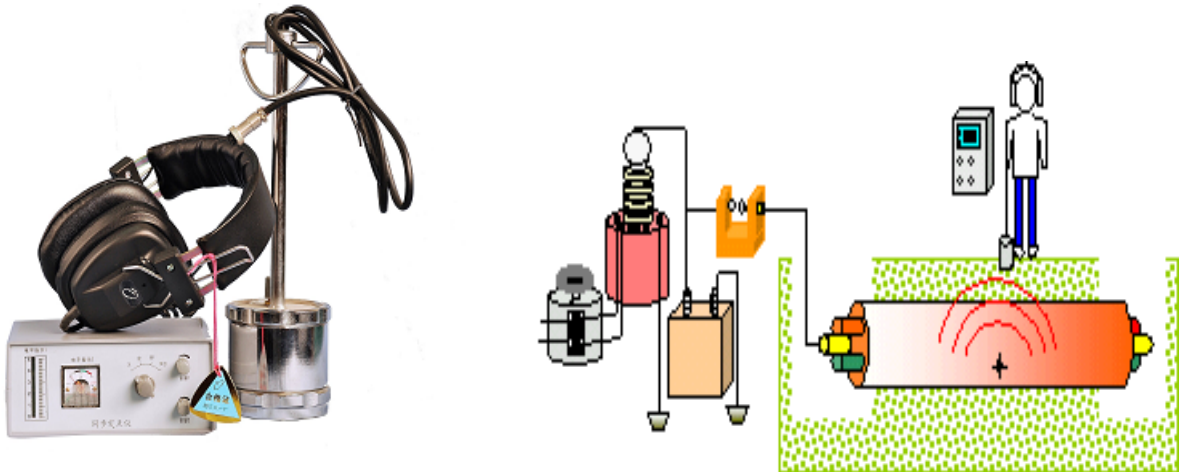
- Low resistance open fault: low-voltage pulse mode
- High resistance fault: flashover mode
- Flashover fault: DC High Voltage flashover or flashover mode

Test Fault Scope

- Power cables: low resistance, open, high resistance fault
- Other lines: low resistance, open circuit fault

◆ DGC-DC LOCATOR

DGC-DC Locator after more than 30 years test is the classic spreading instrument. It has a high sensitivity and anti-interference, the structure is simple, tough, high reliability, it is the users' favorite.

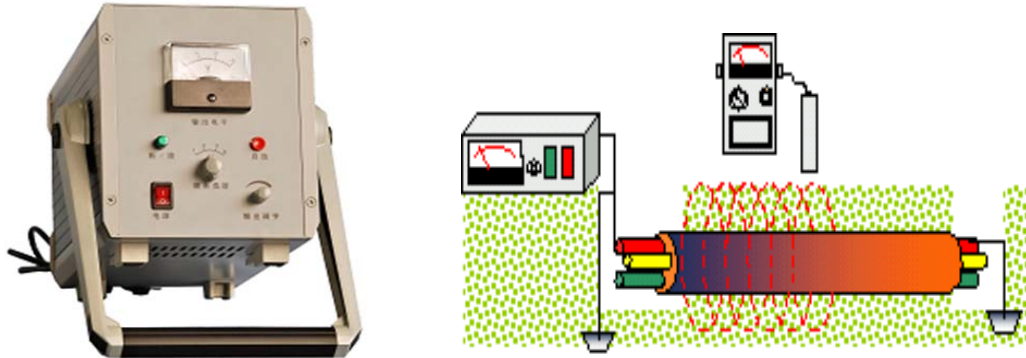


Main Technical Parameters

- In the input signal for the rate of 300 Hz to 30 μ v conditions, can not guarantee that distortion of 2.5 V output.
- No distortion in the 2.5 V under the conditions of zero input, Location device internal noise level is not higher than 150 mV
- Working category: Locator operating: for cable fault exact location use.
- Work path mode: the path laid cables test to use.
- Input resistance : > 1K Ω
- Voltage: 9V \pm 10%
- Working current : > 4mA
- Ambient temperature: -10 $^{\circ}$ C ~ 40 $^{\circ}$ C
- Dimension 65 \times 120 \times 150mm;
- Weight: 1.5Kg

◆ **SG9110 Path Device**

SG9110 path device is an equipment which to verify the trend of underground cables.



Specifications and Parameters

Test Signals:	sine wave, frequency of 15 KHz, 1KHz;
Output:	> 30W;
Output Impedance:	> 8 Ω;
Power supply voltage:	AC 220 V ± 10%, 50Hz ± 1%;
Ambient temperature:	-10 - 40 °C;
Dimensions:	300 * 250 * 90
Weight:	1.5kg

For further information please contact:

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