

High Anti-interference Cable Fault Tester DG15M
Length test/Leakage tester/Path test/Locatable/Anti-interference



Product Description

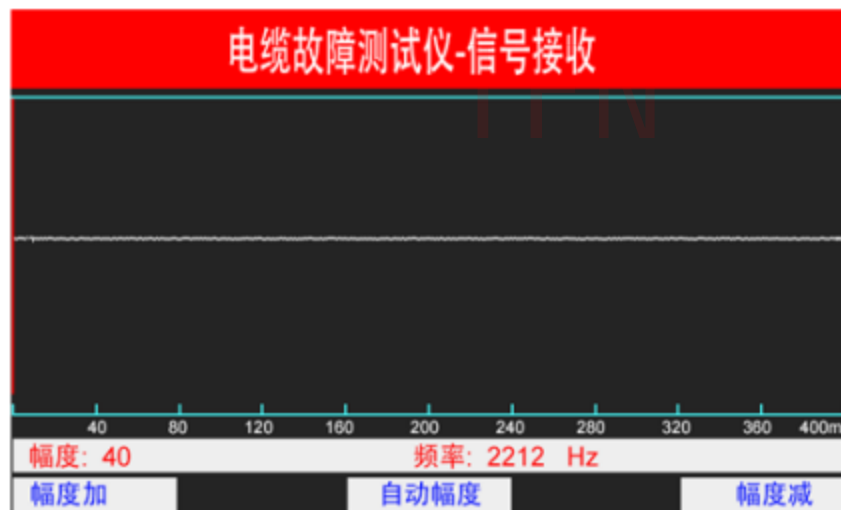
The high anti-interference type DG15M tester is mainly used to locate disconnections, short circuits, ground leakage faults (ground insulation resistance within 0.5 megohms) of high and low voltage buried power cables within 10KV and the depth and path of buried cables. Direction detection. Large screen color LCD display (480*800 dot matrix)

It is suitable for street light cable maintenance, farmland irrigation cable fault diagnosis and repair, residential properties and landscaping belts buried armored iron power cables, field power cables, highways, factories and mines, tower communication base station directly buried power supply cable fault troubleshooting and other industries. Three channel design:

- 1 Length test: The length of cable breakage and short-circuit fault distance can be directly tested in the power-off state.
2. Anti-interference channel: It adopts high-performance filtering and anti-power frequency interference circuit. When the power is off, it cooperates with the signal generator to locate the leakage position of the directly buried cable to the ground, and measures the path direction and depth of the buried cable.
- 3 full-band channels: Use a probe rod to test the location of slight leakage faults of directly buried low-voltage cables to the ground when the power is on. The anti-interference channel adopts a high anti-interference design, and the received signal under high-voltage lines and cable trench environments will not be interfered with.

Product Features

1. Equipped with digital multimeter voltage loop resistance insulation test function to facilitate screening of fault lines
2. Equipped with length test function: supports testing of cable breakage and short-circuit distance; it can also test the total length of cables
3. Equipped with leakage detection function: Locating ground leakage faults due to poor insulation caused by damage to the insulation layer of buried lines
4. Equipped with path search function: can easily query the accurate direction of buried cables
5. Equipped with manual test function: supports manual setting interface, and can manually set parameters such as range, gain, wave speed, etc.
6. With waveform comparison function: comparing the fault waveform and the good line waveform makes it easier to locate the fault location.
7. Equipped with a signal generator: There is a setting interface to set parameters (signal amplitude (1-99); signal frequency (500-2000Hz); signal type (sine wave, audio); transmission mode (continuous and intermittent).
8. The anti-interference channel adopts a high anti-interference design, and the received signal under high-voltage lines and cable trench environments will not be interfered with.



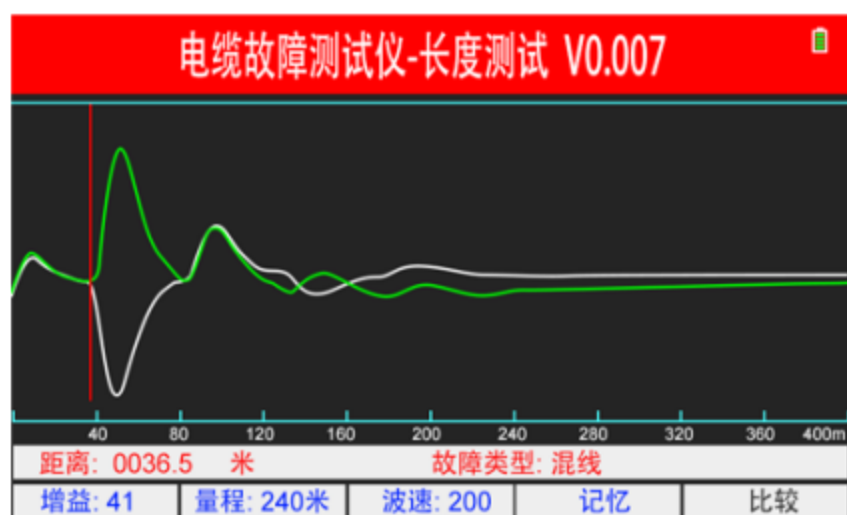
DG15M cable fault tester adopts high filtering and anti-interference design. It will not be interfered in complex electromagnetic environment. The signal is intuitive and the sensitivity is adjustable for accurate positioning.



The DG15M signal generator comes with a multimeter function: it is convenient and intuitive to test line voltage, insulation between lines, insulation to ground, insulation between line armors, and intuitively determine whether the line is completely short-circuited. It is more convenient to locate the fault point.



The length test function of the DG15M cable fault tester can easily test the length of broken wires and short circuits, and quickly locate the fault point.



The DG15M cable fault tester can display two waveforms at the same time when testing length. By comparing the good line waveform and the faulty line waveform, it is easy to judge the fault waveform and accurately locate the fault location.

Technical Parameters

Comprehensive tester distance length test	
Test range	8000 meters (can be customized)
Test blind zone	0 meters
Test resolution	minimum 0.5 meters
Pulse width	96ns-10 μ s automatic adjustment
Testing method	automatic testing, manual analysis, both methods are available
Comprehensive tester leakage and path positioning	
Leakage fault	Leakage insulation resistance range 0-0.5M Ω
Test error	no more than 1 meter
Cable depth	not less than 3 meters
Detection range	8000 meters
Path accuracy	not greater than 0.2 meters
Signal generator (true color display)	
Signal output	512Hz/1KHz adjustable
Multimeter functions	AC and DC voltage, insulation resistance, cable ring resistance
Host volume	220*160*90 (W*D*H, mm)
Host weight	2kg



Cable fault comprehensive tester



Cable test signal generator



Tester host	1 set
Signal generator	1 set
Test headphones	1 piece
Dedicated chargers	2 pieces
Path probe	1 pair
Leakage detector rod	1 pair
Length test lead (Signaler connection cable...common to length test)	1 piece
Grounding solder	1 piece
Instrument bag	2 pieces
Manual	1 piece
Certificate warranty card	1 set

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