



## HT-TCD Cable Fault Locator



### Product Introduction

Underground cable fault locator is my company in order to cater to the advent of the era of power, the power industry in the integration of many high-quality goods package, the cable fault testing industry with the rapid development of the IT era as an opportunity, the single chip microcomputer and laptop type of cable fault tester, on the basis of embedded computer platforms to create suitable for cable fault testing industry characteristics of network cable fault testing service platform, and systematic integration of the USB communication technology, touch screen technology, 3 g communications technology, greatly improve the function of the use of the instrument and the use value and convenient site environment operation. Considering the increasing number of buried cables; The system satisfy the People's Republic of China power industry standard "DL/T849.1 ~ DL/T849.3-2004" electric power equipment dedicated testing equipment general technical conditions, the system test by the host system, multiple pulse generator, the path of cable fault locator and instrument of four parts, used in power cable fault test, path, the embedding depth of cable for airport and railway signal control cable and street lamp accurate test of cable fault.

Thanks to the hard work of many engineers in the company, the product has reached the international level, especially since the whole set of devices has surpassed the world level in portability. The core technology of the multi-pulse method has changed the traditional testing method, which has fundamentally solved the problem of high-resistance fault waveform reading

that was difficult to solve previously. After multi-pulse generator, any complex high-resistance waveform can be converted into a very familiar and easy to identify low-voltage pulse short-circuit fault waveform. It solves the problem that the user cannot recognize the complicated high resistance fault waveform for a long time, and improves the level of the key rough measurement.

### Product Parameters

Display mode	Industrial LCD touch screen (XP operating platform)
Storage	Fixed 8 g
The test method	Low pressure pulse method, multiple pulse method, flash lightning flow method
Mode of operation	Double operation, touch pen and mouse operation
The test distance	No less than 60 km
Shortest test distance (blind area)	0-5 m or no blind spots
Precise point error	$\pm 0.2\text{m}$
Test error	The systematic error is less than $\pm 1\%$
Multiple pulse generator	Impulse voltage $\leq 40\text{kV}$
The resolution of the	V/FM.V is the transmission velocity m/ s; Software cursor 0.10 m
Instrument sampling frequency	6.25MHz、12.5MHz、25MHz、50MHz、100MHz
Power and power consumption	AC220V $\pm 10\%$ ; Not more than 15W; DC12V (7AH); No more than 20 w
Standby time	It can be used continuously for about 6 hours
The host weight	6.2kg
The environment temperature	$-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Overall dimensions	180mm $\times$ 300mm $\times$ 400mm
The temperature	$-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Relative humidity	$\leq 80\%$

## **Product features**

- 1、 Using industrial control embedded computer platform system, industrial use environment, to achieve strong stability.Lithium power supply, convenient field test
- 2、 It adopts 12.1-inch touch system with large screen and integrated software for the whole computer XP operating platform, leaving the era of cable instrument and single-chip microcomputer
- 3、 With a new USB communication interface, the acquisition signal is stable, and a laptop can be equipped with dual control and dual display. The host can automatically select five sampling frequencies, including the lowest 6.25mhz and the highest 100MHz, to meet the testing requirements of cables of different lengths and reduce rough test error
- 4、 The software can realize automatic fault search, automatic distance display, automatic alarm function of card error, double cursor movement can be accurate to 0.15m, waveform can be arbitrary compression, expansion, overlap, the same screen random display of ten low-voltage pulse waveform for you to choose the stack location, improve the test accuracy, reduce error
- 5、 Support the newly opened 3G communication terminal or wireless network card, dedicated 3G software can achieve expert remote on-site real-time test technical services, remote control of the user's host, to the user on-site test to provide timely, accurate waveform analysis and communication guidance, so that you worry about work
- 6、 The key part of precise fixed-point instrument, which directly shows the distance from the tester to the fault point, is another innovation of the same fixed-point technology in China, which provides a strong guarantee for fast and accurate cable fault detection and reduction of power failure loss
- 7、 The multi-pulse generator has one discharge and ten low-voltage pulses. The short-circuit waveform is directly superposition and easy to analyze. The multi-pulse generator has a small volume and a weight of only 5KG
- 8、 Three kinds of high voltage discharge are available for users to choose. The high frequency and high voltage power supply is 8.9kg instead of 65kg test transformer and operation box to fill a gap in China