

HTXL-H Transmission Line Test Set



I. Introduction

This equipment used to test the distance between fault position to the measured transformer when aerial transmission line in short circuit or open circuit. It applies to the overhead transmission line under 35kV, which with permanent single phase earth fault or disconnection fault; make the tests for fault line in the substation. It can measure the exact distance, confirm the broken poles, convenient for maintainers to check the fault, shorten the repairing time. This device only can be used if the measured line is power off. It is small in volume, easy to carry, with AC/DC battery, diagram and digital display, easy to operate.

II. Features

1. Multi functional, safe, fast speed and accurate. It uses LV impulse method and HV flashover method to test, can test kinds of fault of the cable, especially can directly test the flashover and high resistance fault without burn through. If equipped with sound locator, accurately detect the position of the fault point.
2. High precision, adopts high-speed sampling technique, A/D sampling speed is 100MHz, resolution is 1m, and detection blind area is 1m.
3. High degree of intelligence, test results auto displayed by LCD.
4. Can store and review the waveform and parameters, these information will not loss after power off.
5. Dual display, compare the measured waveform and normal waveform of the fault cable, benefit to further detection of the fault.
6. With function of wave form expansion ratio, change the proportion of the waveform, expand the waveform to test.
7. Directly display the direct distance or relative distance between fault point and measured point.
8. Can modify the speed according different measured cable.
9. Portable design, small in volume, with rechargeable battery, easy to carry and operate.

III. Parameters

Applications	This device can test all types power cable, local cable, FM communication cable, coaxial cable, and short circuit, earth, high resistance leakage, high resistance flashover fault of the metal overhead lines, and the broken & poor contact of the cable. It also can test the length of the cable and the speed of the electric wave on the cable.	
Longest measured distance	32km (100km for open wire)	
Power consumption	5VA	
Service conditions	Temperature	0°C~ +40°C
	Extreme temperature	-10°C~ +50°C
	Relative humidity	40°C(20~90)%RH
	Atmospheric pressure	(86~106)Kpa
Weight	2kg	

IV. Accessories

