

Powering the Way

To A Better Tomorrow



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HC-10

Sheath fault location system

HC-10 Sheath fault location system



- ♦ Testing, burning and pinpointing, direct resistance measurement, voltage and current limiter
- ♦ Multiple signal reception methods used for different cable laying scenes(not just direct burial)
- ♦ Mains and battery operated
- ♦ Only one HV connection cable
- ♦ Automatic evaluation and recommend test methods
- ♦ Step voltage method for cable sheath fault pin-pointing
- ♦ Easy and comfortable operation via touch screen and rotary encoder

Introduction

The HC-10 is used for cable and cable sheath testing, and for the pin-pointing of cable sheath faults and cable faults due to earth contact. The operation of the system is achieved via touch screen and rotary encoder. Multiple signal reception methods used for different cable laying scenes:

- ♦ Cable trench or tunnel
- ♦ Cable pipe
- ♦ Direct burial

The very powerful 10 kV DC source allows HV cables to be tested..A multi-section facility permits the entry of cable segments with different parameters. Difficult cable faults can be “burned” thanks to the available high current.



Intelligent Diagnosis



Automatic Testing



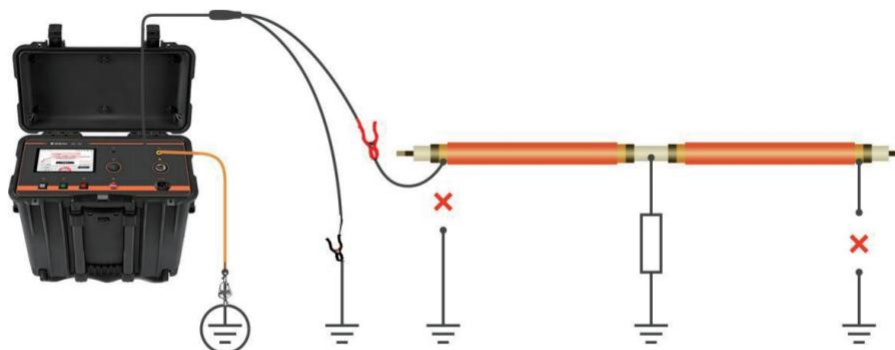
Three Forms



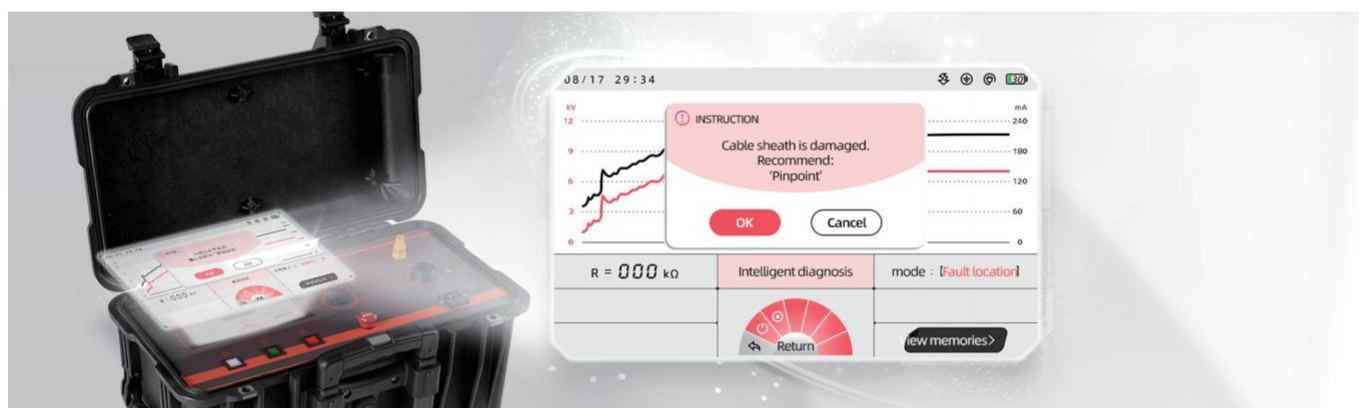
Touch Screen

Simply connect and operate to complete the test

Only one HV connection cable and through the touch screen or rotary encoder, you can follow the system instructions to complete the test. The system will automatically evaluate the insulation resistance of the sheath and recommend test methods.



Wiring Diagram



Just tell you the next action directly

Designed entirely for outdoor work

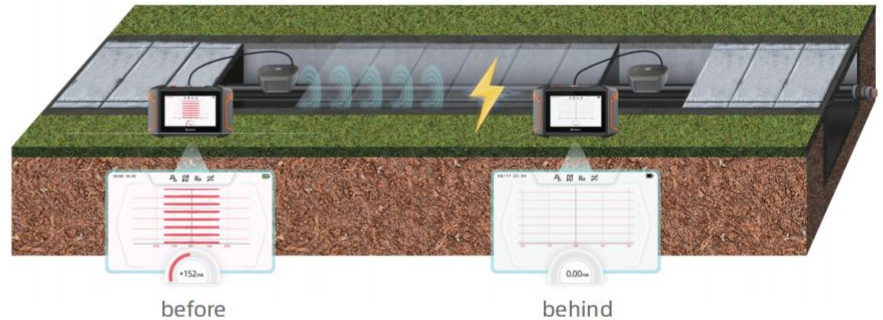
- ♦ Built in lithium battery, with a battery life greater than 6 hours
- ♦ Portable suitcase design for easy outdoor movement



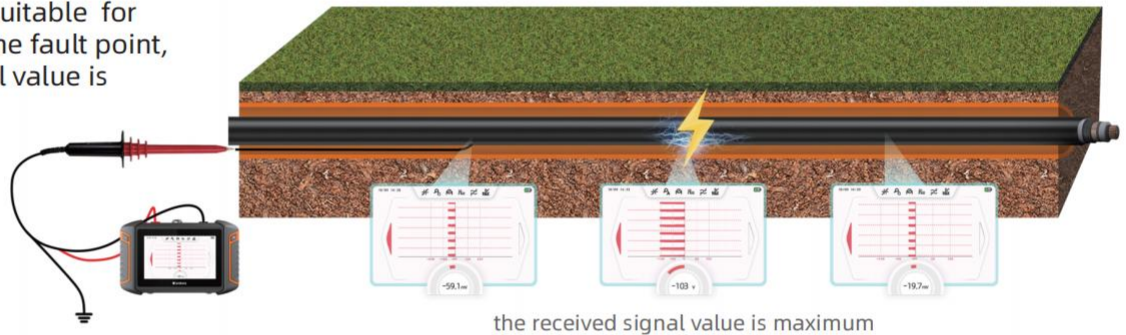
Multiple signal reception methods used for different cable laying scenes

As far as we know, there are many ways to lay cables: in suburbs, they are mainly laid directly buried; in cities, there are also pipelines, cable trench or tunnel. Sheath failures in different laying scenarios require different positioning methods.

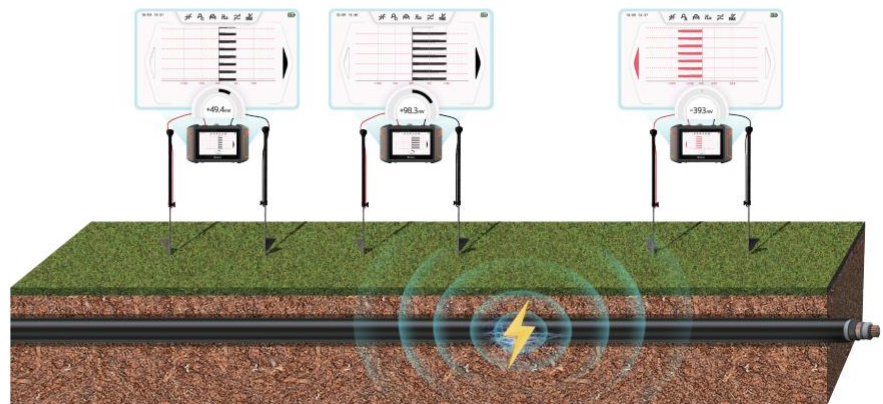
Stethoscope mode: suitable for cable trench or tunnel. Signals exist before fault point and disappear behind fault point



Probe mode: suitable for cable pipe. Near the fault point, the received signal value is maximum

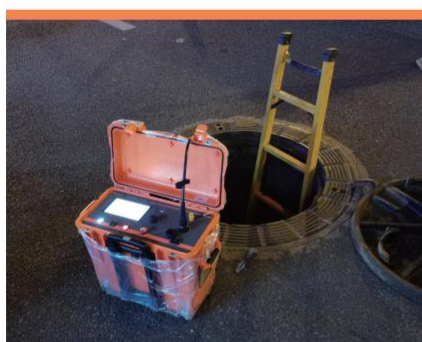
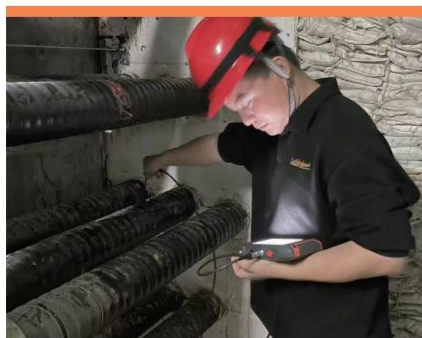


Step voltage mode: suitable for direct burial. Judge according to the color of the arrow whether it is closer to the red earth spike or the black earth spike



Red or black arrow indicates the location of the fault

Onsite application



TECHNICAL DATA

Output voltage	0 ... 10 kV
Output current	150mA
Test voltage	0 ... -10 kV
Insulation resistance test	0...650MΩ
Maximum permitted capacity of the test object	10 uF
Pinpointing	0 -10 kV DC, pulsed selectable ; 0.5:1 / 1:2 / 1.5:3.5
Power supply (rated voltage)	AC 90V...240V,50/60Hz
Battery	Built-in battery (615Wh)
Endurance (battery powered)	6h
Power consumption	max. 800 VA
Display	8000 x 480 LCD, 1000cd/m ²
Operating temperature	-20°C...+55°C
Storage temperature	-40°C...+65°C
Dimensions (W x H x D)	500*457*305mm
Weight	18.5KG
Protection rating	IP54

Standard accessories

HV Cable

Connect HC-10 and cable



Power Cable

Provide power supply



Ground Cable

Grounding



Discharging Rod

Discharge after testing



Grounding solder

Artificial grounding



Bag

prevent accessories



Indicator unit

Show receiving signal



Earth spikes and connection cable

suitable for direct burial



HV Probe

suitable for cable pipe



Stethoscope

suitable for cable trench or tunnel



Type-C Charger

for Indicator unit Charge

