

CRC 20 - Optical Cable Routing Calibrator

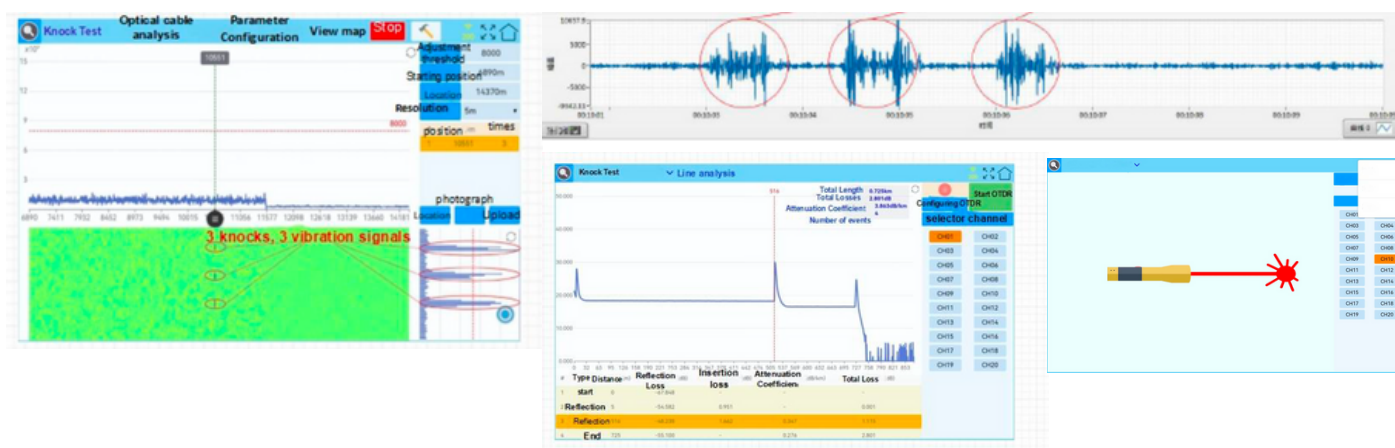
Product Overview

High-precision optical cable routing Analysis tool for: Fault troubleshooting, Cable identification, etc., Integrates the functions of route positioning, optical cable detailed inspection, OTDR and visual fault location analysis. Characteristics include comprehensive functionality, ease of operation, small and portability. Meets requirements of Military & Telecommunication maintenance and support for accurate cable positioning and mapping.

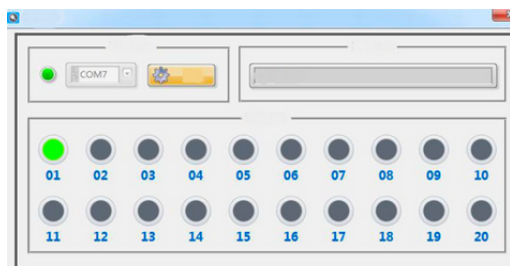
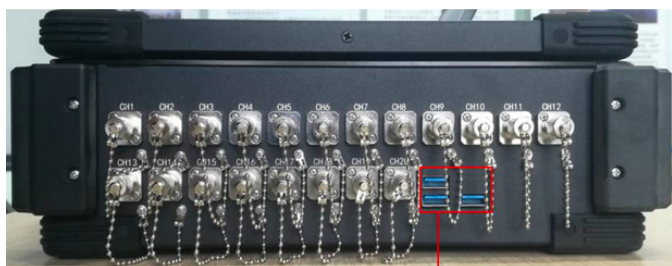


Features

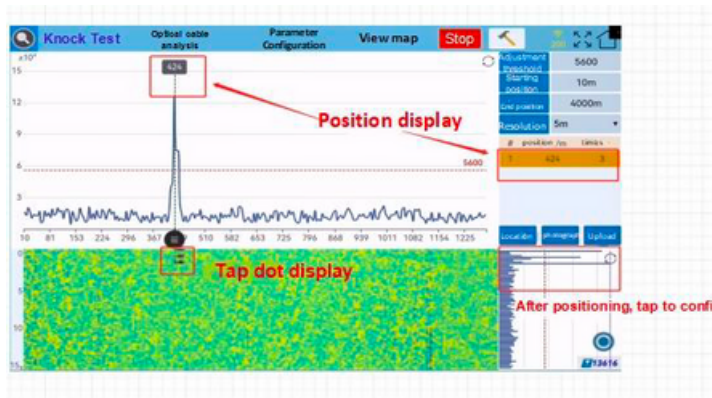
► Route mapping function, OTDR and visual fault location



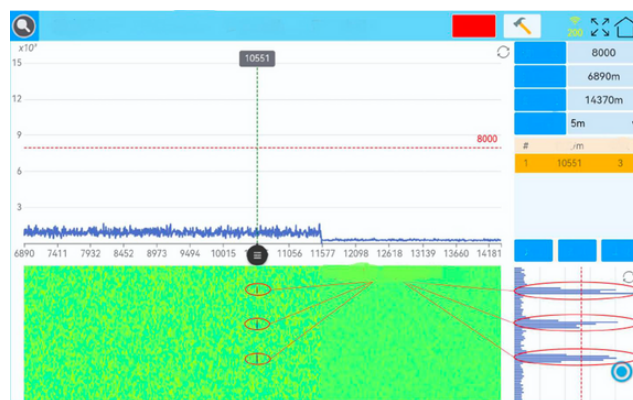
► 20 contiguous Route Sensing/mapping at the same time, free switching, improve work efficiency



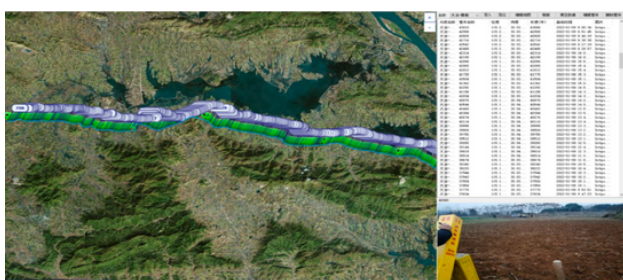
➤ **Locate the target cable & demarcate the location of tapping point**



➤ **Accurate analysis of multiple optical cables on the same route**

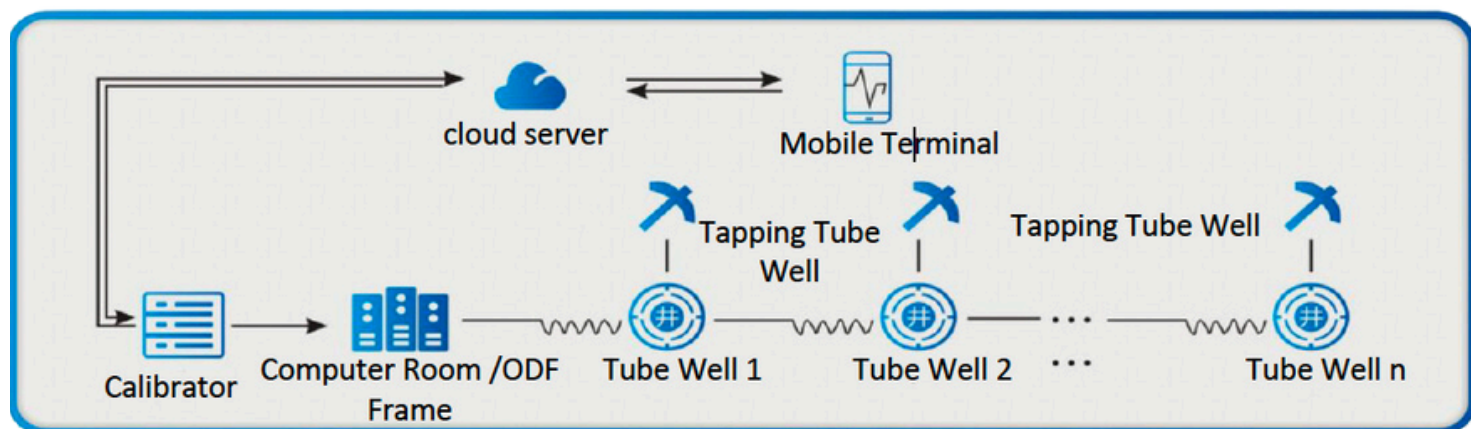


➤ **Obtain longitude & latitude of the tap point in real-time & correlate to GIS map info**



The total length of 55KM cable link is drawn, including the actual distance and latitude and longitude information of the cable etc.)

Optical Routing Calibrator Working Principle



In this device, the optical fibre is used as a vibration sensor to collect the vibration at the far end and at the same time, it is used as a signal transmission carrier to transmit the reflected signal generated by the vibration to the system host. After analysing the device host, the signal analysis result is given through the algorithm calculation, and the result is fed back to the remote end through the Internet. The remote investigators perform a simple tap and synchronously see the result. Determine the cable route in real-time.

Optical cable routing intelligent calibrator series products can find and locate buried optical cables and pipeline optical cables, realise the generation of specific location data of optical cable connector box, broken fibre point and light fade point, and provide support services for pipeline construction protection.



Specifications

Model	Parameter	Vibration Detection	Smart OTDR	Visual Fault Location
CRC-20	Channel (Automatic Switching)	20Routes	20Routes	1Route
Performance Index	Wavelength	1550nm	1310nm/1550nm	650nm
	Detection Range	40km	1550nm≥100km	5km
	Detection Mode	Vibrate & knock the cable across the ground	Loss, gain, reflection & other events	
	Data Management	route calibration: obtain line measuring point length & corresponding GPS coordinates (mobile terminal)	Event editing: Event deletion/ category modification, operation recovery	

