



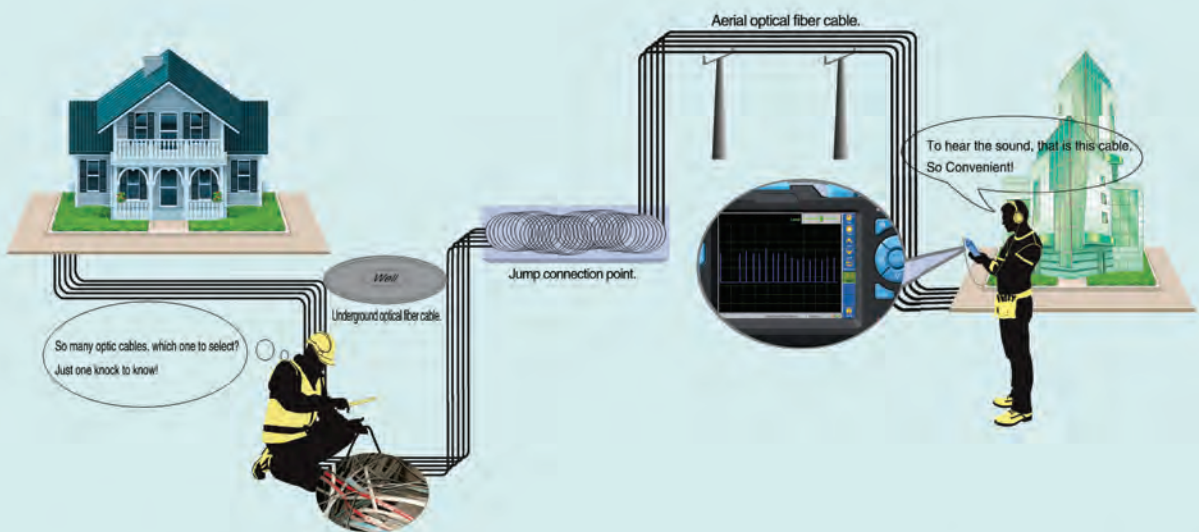
Series Optical Cable Identifier

- Touch Screen +Keypad, ease of use.
- Dynamic range of sensitivity to mechanical perturbation over 100 km distance
- Locate target cable using audio and visual signal (either bar chart or ECG display)
- Flexible to different fiber connectors (PC, APC or Cut)
- Non-invasive detection with high accuracy
- Low power consumption for long working time
- Operation mode: automatic or manual mode



Why we need OCID?

As demand for optical fiber increases day by day, the numbers of fibers in a single optical cable can be as many as 2096 individual fibers. As more fiber cables are buried underground, it becomes extremely difficult for the telecom engineers and technicians to manage the cables because cables may take different pathways, or be labeled incorrectly. As vast large number of optical cable being deployed by different service providers, new players such as utility, cable companies and telecom incumbents, it is crucial to correctly locate the target desired cables in outside plant.



OCID is adaptive to various environments; it can detect and locate the target fiber cable when the fiber is under cut or splicing condition. It also works with all kinds of fibers connectors including APC. An Easy-to-Use Method of Cable Identification

Optical Specifications		
Model	40Km	100Km
Test method	Single fiber	
Wavelength	1550nm	
Unidirectional fiber loss ¹	10dB	30dB
Maximum test distance ²	40km	100km
Initial blind zone	None	
Requirements to fiber end return loss	≤40dB	≤20dB
SNR	≥25dB	
Fiber Type	Single Mode	
Optic connector	FC/APC	

1. with reflector at fiber end (if reflected value > -3dB), increase 5dB

2. with reflector at fiber end (if reflectance > -3dB), increase 20km

This option does not apply to TK200-100/N

Electric/Physical/Environment Specifications

Model	40Km	100Km
Display	5.6" LCD touch screen	
Input model	LCD touch screen + Buttons	
Output mode	Visual	Bar Chart or ECG display
	Audio	Sound (corresponds to perturbation intensity)
Power supply	DC12V/3A	
Battery	Lithium battery 7.4V, 10.4Ah, continuous work ≥ 10Hr	
Power consumption	<6W	
Dimension	65×150×235mm	
Weight	1.5Kg (including battery)	
Working temperature	0 °C ~ +45 °C	
Storage temperature	-20 °C ~ +55 °C	

Identify Your Fiber in Minutes!

Optical Cable Identifier, OCID was a specially developed instrument for telecommunications engineers and technicians to identify a desired target fiber optical cable, which is a user friendly, easy to operate and non-invasive to the optical fiber cables. It can be used in various environments, such as manholes, tunnels conduits and aerial.

Based on the properties of photo elastic effect, the OCID converts the coherent laser energy into visual or audio signal, so user can easily locate the target desired fiber in manholes, tunnels conduits, and aerial, etc. With the OCID, the user can easily recognize the target optical cable from the rest by gently tapping them.

The OCID replaces traditional optical fiber identification methods that require cutting, bending, or freezing of the fiber. It is a new non-invasive detection method, which can greatly reduce installation, deployment and troubleshooting time and cost reduce the operation, improve the overall operational efficiency.

