

OCI600

Optical Cable Identifier



Fast and Accurately Find the Target Cable in a Complicated Environment by Lightly Hitting Cables.

The OCI 600 Series is specially designed for fast, accurate and non-destructive identification of target optical cables. The identifier applies the principle of light interference to transform mechanical vibration to visual or audio signals. Technicians only need to lightly hit cables. With its high sensitivity and noise reduction, the identifier can lower noises to make technicians clearly hear the knocking sound by earphones. For visual signal, the strength is classified into ten grades with three colors, involving red, yellow and green. Technicians can easily recognize whether it is the target cable through the colors.

The OCI 600 Series is easy to operate by its one-touch automatic testing and available to various environments because of its strong on-spot application capacity. The powerful functions not only greatly reduce the time, cost and errors of urgently repairing optical cables for technicians but also significantly improves the work efficiency.

oscentac

Benefits

- Dual identification methods (By visual or audio)
- Strong environmental adaptability e.g. manholes, tunnels, conduits, aerial etc.
- Noise suppression
- Adjustable receiver sensitivity
- Made in Taiwan

Application

- Optical cable construction, installation & maintenance
 1. Pinpoint unlabelled patch cords in the equipment room
 2. Identify far-end cables under different environment like manholes, tunnels, conduits or elevated construction
 3. Fiber cut, splicing, resource inventory

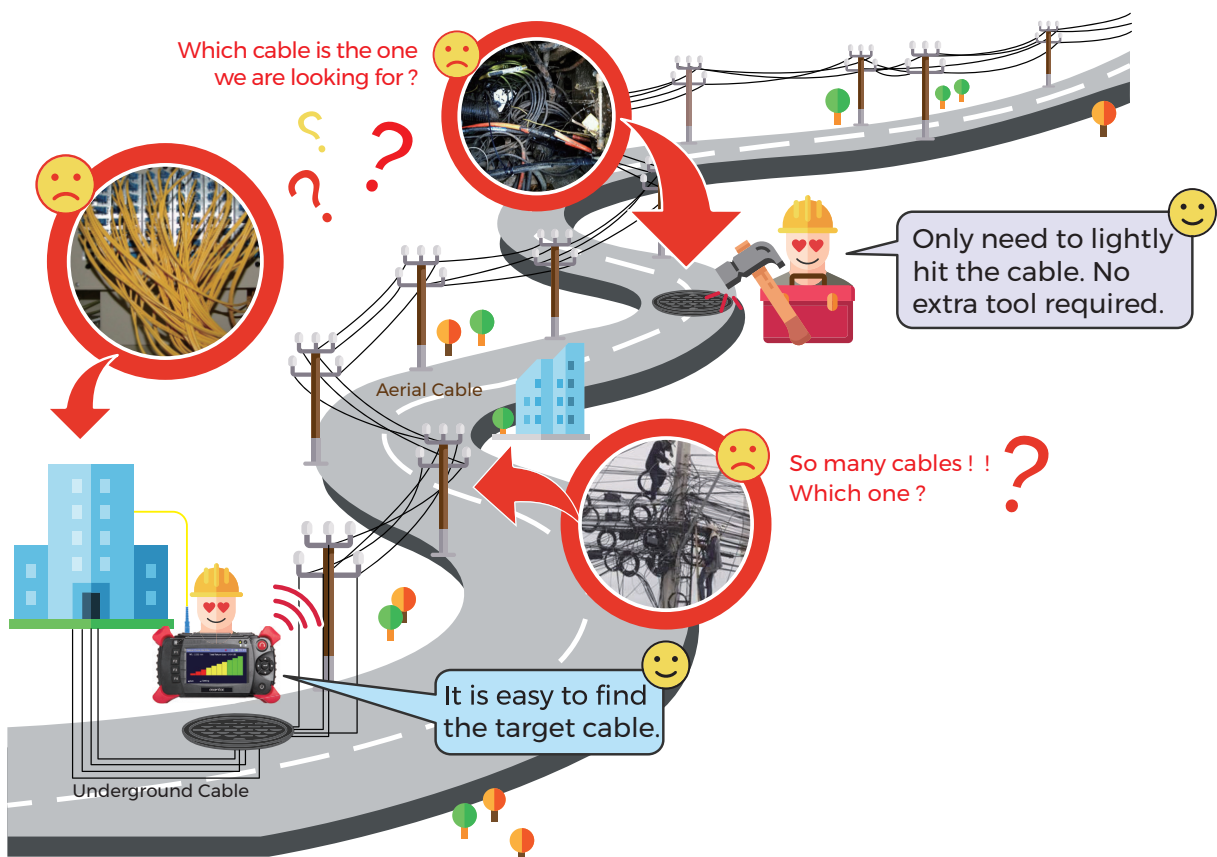
Description

- ① Portable & lightweight
- ② Power status indicator
- ③ Laser-on indicator
- ④ One-touch automatic measurement
Intuitive interface for easy use
- ⑤ Shatter-resistant sleeve & IPX3 (Protected against spraying water)
- ⑥ Outdoor-enhanced 4.3 inch TFT color LCD with backlight function (Comfortable to read display for any abominable environments)

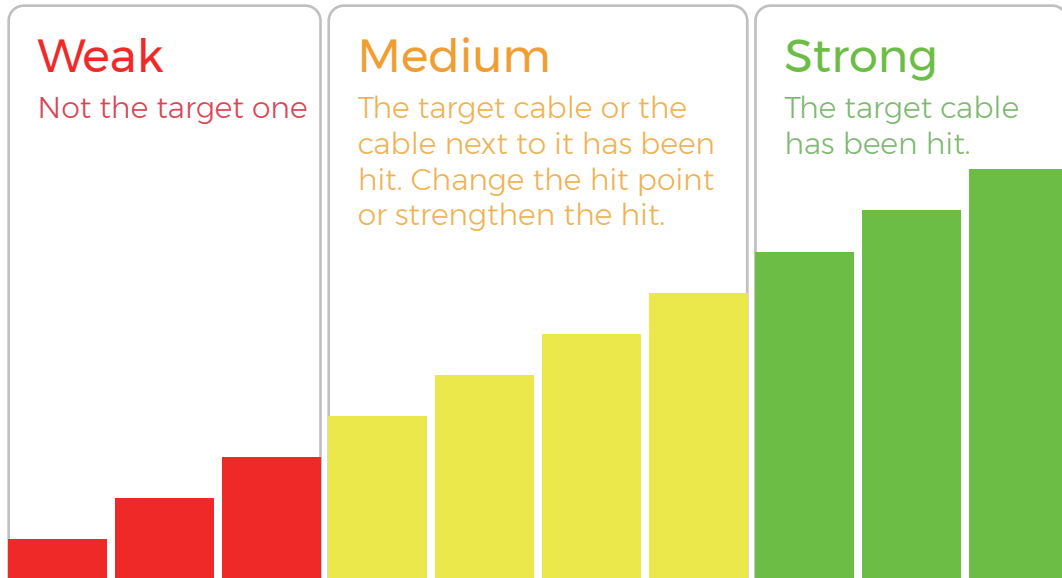


Feature










Easily identify far-end target cables under different environments



How to Know Whether the Target Cable Has Been Hit or Not Refer to the Color Indicator



OCI 600 vs Traditional Method

| | | |
|---|---|---|
|  <p>Brand New Solution</p> | <p>VS</p> |  <p>Traditional Method</p> |
|  <p>OCI 600 & Lightly hit cables</p> | |  <p>Pull cables one by one, bending, freezing, visual fault locator or fiber identification instrument</p> |
| <p>Fast & accurately identify target cables</p> |  | <p>Time-consuming & laborious</p> |
| <p>Non-harmful to optical cables</p> |  | <p>Cables are easily damaged</p> |
| <p>No extra tools required</p> |  | <p>Extra tools may be required</p> |
| <p>Easy operation</p> |  | <p>Inconvenience (Cables may be bundled.)</p> |
| <p>Test distance > 60km</p> |  | <p>Short test distance</p> |

Specification

| OCI Specification | | |
|----------------------------|--|----------|
| Wavelength (nm) | 1550 ± 20 | 1625 ± 5 |
| Output Power (dBm) | > -5 | |
| Dynamic Range (dB) | 15 | |
| Test Distance (km) | 60 (up to 80) 1. Fiber end is physical contact (PC) connector 2. Fiber loss @ 0.18 dB/km | |
| Application Fiber | SM | |
| Signal to Noise Ratio (dB) | 30 | |
| Optical Connector | SC/APC | |

| VFL Specification | |
|-------------------|--------------------------------|
| Wavelength (nm) | 650±10 (Visible) |
| Output Power (mW) | > 2 |
| Modulation Output | CW(Continuous Wavelength), 2Hz |
| Optical Connector | Universal 2.5mm |

| OPM Specification (Optional) | |
|------------------------------|------------------------|
| Power Range (dBm) | 0 to -60 |
| Accuracy (dB) | ± 0.3 |
| Resolution (dB) | 0.01 |
| Wavelength Range (nm) | 1310, 1490, 1550, 1625 |
| Optical Connector | SC/UPC |

Display

4.3 inch ultra-bright TFT color LCD with backlight function

Power Supply

| | |
|--------------------------------|-----------|
| DC Input Voltage (V/Amp) | 5.0 / 4.0 |
| Battery Life (hours) (typical) | > 8 |

Environment

| | |
|--------------------------|---------------------------|
| Working Temperature (°C) | 0 to +50 |
| Storage Temperature (°C) | -20 to +60 |
| Relative Humidity | 5% to 95%, Non-condensing |

Dimensions and Weight

| | |
|---------------------------------|----------------|
| Size (H x W x D) (mm) | 220 x 125 x 72 |
| Weight (g) (batteries included) | 850 |

Others

| | |
|--------------------|--|
| Interface | 1. Type-A USB 2. Mini USB 3. 10/100Mbps Ethernet RJ-45 |
| Ingress Protection | IPx3 |

Standard Accessories

Main unit, Lithium battery, Power adapter, Power cord, Strap, Cleaning stick (10 pcs), Patch cord (1m), Carrying case, One-year warranty

Ordering Information

OCI 6XX- 0XX- 00- 00

Model

- 615 : 1550nm
- 616 : 1625nm
- 625 : 1550nm Inservice Testing
- 626 : 1625nm Inservice Testing

Opt. Video Scope

- 0 : w/o Video Scope
- 1 : w/ Video Scope

Opt. Power Meter

- 0 : w/o Power Meter
- 1 : w/ Power Meter

Example: OCI 615-001-00-00

