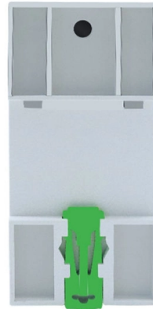


Optical Cable Survey Instrument OCID



AI Overview

An Optical Cable Identifier (OCID) is a non-destructive instrument used to identify, trace, and verify specific optical fibers or cables in live networks without cutting or bending the fiber. Working Principle OCID instruments operate by detecting mechanical vibrations or tapping signals on optical fibers, converting these perturbations into measurable optical signal changes. Devices like the TFN GP200 and TK200 use the photo-elastic effect and coherent demodulation technology to transform external vibrations into visual waveforms (ECG or bar charts) and audio prompts, allowing technicians to identify target fibers quickly and accurately without service interruption or fiber damage. The laser beam is split into directional beams, and interference signals caused by vibration are processed into intuitive visual and audio feedback.

Key Features

- Non-destructive testing: No cutting, bending, or freezing of fibers is required.
- High accuracy: Capable of identifying specific fibers even in dense cable arrangements or long-distance networks up to 100 km (TK200-100/N).
- Visual and audio feedback: Waveform displays and synchronized audio signals help technicians quickly locate the target cable.
- Connector compatibility: Supports FC/APC, SC/APC, PC/APC joints, and broken-end fibers.
- Environmental adaptability: Suitable for manholes, tunnels, aerial lines, pipelines, and other complex environments.
- Extended operation: High-capacity lithium batteries allow long field operation, often exceeding 10 hours.
- User-friendly interface: Touchscreen and physical buttons for reliable operation in various field conditions.

Applications

OCID instruments are widely used in telecommunications and power communication networks for:

- Fiber identification in live networks: Quickly locating a target fiber without interrupting service.
- Maintenance and fault detection: Detecting and tracing fibers in dense ODF racks, cable trenches, or overhead lines.
- Construction and acceptance testing: Ensuring correct fiber connections during installation and network upgrades.
- Emergency rep...

Article Content

TFN GP150 Fiber Optic Cable Census Tester

TFN GP150 40KM Fiber Optic Cable Census Tester Finder Optical Cable Identifier OCID offers color screen, customized support, and 2-year warranty. Shop now!| Alibaba

Key Features

It is suitable for accurate identification of optical cable in the environment of manhole, tunnel, overhead, pipeline and so on. It is a new instrument tailored for optical cable construction, acceptance and

FF-6800 Optical Cable Identifier OCID Optical Fiber

FF-6800 Series Optical Cable Identifier is an intelligent instrument designed for

NK7100 Optical Cable Identifier OCID Fiber optic cable testing,for ...

This instrument is used to measure parameters such as the length, loss and connection quality of optical fibers and optical cables. It integrates rich ethernet testing functions to provide

TFN GP200 Fiber Optic Cable Census Instrument

TFN GP200 is a professional integrated OTDR and fiber optic identifier, designed for telecom engineers to accurately locate and test fiber optic cables. Adopting photoelastic effect, it converts cable

Optical Cable Survey Instrument Optical Fiber Tester

High quality Optical Cable Survey Instrument Optical Fiber Tester AFCID from China, China's leading product market 1550nm optical fiber tester product, with

AV-1000 Optical Cable Identifier

Description Optical Cable Identifier, OCID was a specially developed instrument for telecommunication's engineers and technicians to identify a desired target fiber optical cable, which is a friendly, easy to

Saluki S2107 Optical Cable Identifier (OCID/OTDR/OPM/VFL)

Saluki S2107 Optical Cable Identifier (OCID/OTDR/OPM/VFL) Malaysia, Penang, Singapore, Indonesia Supplier, Suppliers, Supply, Supplies, The company focuses on providing measurement

TFN GP200 Fiber Optic Cable Identifier with OTDR

The GP200 combines optical cable identifier (OCID) with OTDR. It enables accurate optical cable identification, fault location, and long-distance testing.

GP200 OCID

Utilizing non-destructive detection technology, this device offers simple operation and precise identification, making it an ideal tool for fiber optic cable

S2107 Optical Cable Identifier (OCID/OTDR/OPM/VFL)

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Series Optical Cable Identifier-Henan Huachuang

Optical Cable Identifier, OCID was a specially developed instrument for telecommunications engineers and technicians to identify a desired target fiber

AV-1000 Optical Cable Identifier

AV-1000 Optical Cable Identifier Item No.: AV-1000 Description Optical Cable Identifier, OCID was a specially developed instrument for telecommunication's engineers and technicians to identify a

Series Optical Cable Identifier

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

FF-6800 Optical Cable Identifier OCID Optical Fiber Seeking Fiber Trac

FF-6800 series provides the simplest method for Telecommunication engineers and technicians to track and identify the target optical fiber or cable clearly. Optical cable identifier instrument has the

How to Quickly Locate Faulty Optical Cables Using OCID?

Understanding the Core: How Does an Optical Cable Identifier “Hear” the Cable? Before using the device, understanding its operating principle is

Optical fiber and cable survey tool

Compared with traditional optical cable survey instruments, the enhanced optical cable survey instrument sold by Chengdu Xiongbo Technology has higher accuracy and efficiency. The

TFN GP200 Optic Cable Identifier (OCID) | Optical Communications ...

DR. Designed specifically for telecommunications engineers and fiber optic cable maintenance personnel, it is suitable for fiber optic cable identification and fault location in a variety of complex

Key Features

Optical cable census instrument has the advantages of friendly interface, simple and practical, non-toxic and harmless, and does not damage optical cable. It is suitable for accurate identification of optical

TK200 G-LINK OCID Optic Cable Identifier 40KM

Optical Cable Identifier, OCID is a specially developed instrument for telecommunication's engineers and technicians to identify a desired target fiber optical cable, which is a friendly, easy to operate and

Optical Cable Identifier TK200-FutureFiber Solutions

TK200 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 friendly, easy to

TK200 Series Optical Cable Identifier (OCID)

The G-Link TK200 Optical Cable Identifier is engineered to solve this precise problem. It is an essential tool for telecom engineers conducting resource

TRK200 Optical Cable Identifier & OTDR (2-in-1) | G-Link

The G-Link TRK200 Optical Cable Identifier revolutionizes this process by combining both essential functions into a single, rugged handheld unit. It is the ultimate solution for resource census, cable

Farewell to Cutting and Freezing: OCID Non-Destructive Optical Cable ...

Conclusión OCID non-destructive optical cable identification technology, based on the principle of vibration photoelectric sensing, addresses key industry pain points such as the

Identificateur de câble optique (OCID) : Guide pratique pour l ...

Découvrez comment l'identificateur de câble optique (OCID) permet une identification non destructive des fibres. Idéal pour les réseaux de télécommunications et d'infrastructure.

TK200 Series Optical Cable Identifier (OCID)

Struggling to identify specific cables in complex manholes? The G-Link TK200 Optical Cable Identifier offers non-destructive, 100km remote detection with

S2107 Optical Cable Identifier (OCID/OTDR/OPM/VFL)

Overview S2107 Series Optical Cable Identifier is an intelligent instrument designed for the construction and maintenance of optical cable lines in optical

Contact Us

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