

Dual-wavelength single-mode fiber optic testing pen

Article Overview

A dual-wavelength single-mode fiber optic testing pen allows simultaneous testing at two wavelengths, streamlining fiber verification, loss measurement, and troubleshooting for single-mode networks.

Overview

A dual-wavelength single-mode fiber optic testing pen, such as the Fluke Networks SimpliFiber Pro Singlemode 1310/1550 nm, is designed to verify, troubleshoot, and document single-mode fiber optic cabling efficiently. The dual-wavelength capability enables testing at 1310 nm and 1550 nm simultaneously, reducing test time and allowing both measurements to be saved in a single record, which is particularly useful for high-bandwidth networks and long-distance fiber links .

Key Features

- o Automatic Wavelength Detection: The device automatically identifies the wavelength being tested, eliminating manual setup errors .
- o CheckActive(TM) Function: Emits an audible tone and displays an icon when a live fiber is detected, simplifying verification without additional setup .
- o FindFiber(TM) Remote ID: Allows a single technician to identify cable connections or routing at patch panels, reducing the need for multiple personnel .
- o Min/Max Tracking: Monitors intermittent power fluctuations automatically, ensuring accurate and reliable measurements .
- o Data Storage and Reporting: Internal memory can store up to 1000 results, which can be analyzed and reported using LinkWare Cable Test Management software .
- o Additional Wavelengths: Some models support extended wavelengths like 1490 nm and 1625 nm for broader applications .

Applications

- o Fiber Verification: Confirms proper installation and continuity of single-mode fibers.
- o Loss Measurement: Measures optical loss in dB to ensure network performance meets specifications.
- o Troubleshooting: Detects faults, intermittent issues, and verifies active fibers.
- o Documentation: Stores and exports test results for compliance and reporting purposes.

Advantages

- o Time Efficiency: Simultaneous dual-wavelength testing halves the time required for measurements.

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- o Ease of Use: Handheld design with intuitive features reduces the learning curve for technicians.
- o Versatility: Compatible with SC, ST, and LC connectors (with hybrid adapters) and suitable for both field and lab environments .
- o Reliability: Rugged carrying case and professional-grade construction ensure durability in demanding environments . In summary, a dual-wavelength single-mode fiber optic testing pen is an essential tool for network installers, technicians, and engineers who need fast, accurate, and documented testing of single-mode fiber networks, combining efficiency, precision, and ease of use in a compact handheld device .

This high-quality pen-type, 10mW, red fiber optic break, Visual Fault Locator (VFL) is specially designed for field personnel who need

Dual-Wavelength Testing Made Simple All-in-one kit for detecting attenuation through dual-wavelength power metering and light

The Optical Test Kit - ZOOM 2 / Dual OWL Multimode ST / Laser OWL Singlemode ST is ideal for LAN managers and installers who

Optical Wavelength Labs KF7-xxx Fiber OWL 7 Auto-Testing Certification Test Kit The Fiber OWL 7 Quad Test Kit contains the tools

The Optical Wavelength Labs KIT-WT-D285SC-L213SC WaveTester 850nm Multimode & 1310nm

SimpliFiber Pro boast industry-leading functions such as dual-wavelength testing and automatic-wavelength detection, in addition to

WaveTester / Dual OWL /Laser OWL Multimode/Singlemode Test Kit The WaveTester Dual OWL Laser OWL Test Kit contains the

Choosing the Right Optical Time Domain Reflectometer (OTDR) This white paper provides key information about OTDRs and

A fiber visual fault locator pen VFL for fiber optic installation, fault finding, continuity checking, polarity checking, verifying a signal

Link testing of multimode segments should be done with an 850/1300nm dual wavelength unit. Link testing of singlemode segments

Multiple kit configurations with light sources for single mode, multimode and PON fiber optics. Single-port,



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simultaneous dual

[Dual Wavelength] Features stable single-mode 1310nm & 1550nm light sources for comprehensive testing. [Excellent Performance]

The Optical Wavelength Labs KF7Vxxx Fiber OWL 7V Auto-Test Certification Test Kit contains the tools necessary for certifying fiber

OWL Fiber Optic Test Kits offer tools for measuring optical power, loss, and certifying fiber optic links for multimode and singlemode

The dual-wavelength functionality is useful because different wavelengths behave differently in fiber optics--this helps in identifying

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