Learn More

Manufacturer:
AFL

Product Name:
2.5mm Universal Adapter for AFL VFI4 Visual Fault Locator

Manufacturer Part Number:
2900-50-0013MR

Click here for more details on the 2.5mm Universal Adapter for AFL VFI4 Visual Fault Locator

VFI4-L Visual Fault Identifier

A Visible Fault Identifier (VFI), also referred to as a Visual Fault Locator (VFL), is an essential tool for fiber installation and maintenance technicians. AFL's compact VFI4-L injects high-powered red-laser light to provide exceptional brightness and range for locating defects in single-mode and multimode fibers. The light generated by these units will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly mated connectors enabling technicians to quickly spot faults. The universal connector interface mates with many connector styles without needing an adapter. Rugged and Compact: The rugged VFI4-L is designed for the rigors of real-life field testing. It has a range of up to 4 km, fits on a keychain, and features extensions that protect the red-laser port. It has both CW and pulsating modes and is powered by a single AA battery for up to 30 hours of operation. Installation and Activation: VFI4-L is used for quick continuity checks, fiber tracing, splice verification, and Pass/Fail validation for mechanical connectors. VFI4-L is also an excellent complement to any OTDR because it can locate faults inside the OTDR's dead zone. Essential Troubleshooting Tool: The VFI4-L highlights sharp bends, breaks, faulty connectors, and other defects that "leak" light. Other applications include end-to-end continuity checks, as well as identifying connectors in patch panels and fibers during splicing operations. Low Power Option: The VFI4-L offers a low power version with a lower output power of 1.0 mW and a 4 km range.

Features

- Universal connector interface for quick connection
- 2.5 mm universal adapter (included) accepts FC, SC, ST, etc. connectors
- 1.25 mm universal adapter (not included) accepts LC and MU connectors
- VFI4-L is available with output power of 1.0 mW with 4 km range

Applications

- Identify and trace fibres during activation and installation
- Identify poorly mated connectors
- Verify AFL's FASTConnect® field-installable connector installation
- Find faults inside OTDR dead zones

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Specifications

OPTICAL	
Emitter Type	Laser, Class II FDA 21 CFR 1040.10 and 1040.11 Class 2 IEC 60825-1:2014
Wavelength	650 nm ±15 nm
Output Power	1 mW maximum
Modulation	2 Hz or CW selected
GENERAL	
Adapter	2.5 mm Universal, 1.25 mm Universal
Power	1 AA battery, <50 hours (Flash mode)
Operating Temperature	-10°C to 50°C, 85 % humidity non condensing
Storage Temperature	-30°C to 60°C, 95 % humidity non condensing
Size (H x W x D)	7.9 x 5.1 x 2.2 cm (3.1 x 2.0 x 0.9 in)
Weight	43 g (1.5 oz)

a. All specifications valid at 25°C unless otherwise specified.

Ordering Information

PART NUMBER	DESCRIPTION
VFI4-02-0900PR	VFI4-L visual fault identifier with 2.5 mm adapter

Adapters

PART NUMBER	DESCRIPTION
2900-50-0013MR	2.5 mm Universal for VFI port
2900-50-0012MR	1.25 mm Universal for VFI port

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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