

VFL-A/B Fiber Optic Visual Fault Locator

Visual Fault Locator (VFL) provide an easy and effective way for fiber checking and troubleshooting. By injecting 650nm visible red light into a fiber, high loss points will be visually located as we can see red light there. Since OTDR has its dead zone, VFL also can be complementary to OTDR troubleshooting.

Shineoi developed two unique versions of VFL which are low priced and well designed for easy handling and carrying. Both versions, VFL-A and VFL-B, offer universal receptacle for standard ϕ 2.5mm connectors such as SC, FC, ST, E2000, and with a ϕ 2.5-1.25 connector converter, LC, MU connectors are supported as well.

Key Features

- ◆ Compact size, easy to handle and carry
- ◆ Support SC, FC, ST, E2000 connectors, and LC, MU with a converter used
- ◆ Continuous and pulsed operation modes for option
- ◆ 5dBm output power support up to 10KM



Applications

- ◆ Locate sharp bending, breakage, and damage of fiber
- ◆ Perform end-to-end continuity checking
- ◆ Trace and indentify fiber
- ◆ Complement OTDR troubleshooting



Specifications

Model No.	VFL-A	VFL-B
Central Wavelength	650±10nm @25 °C	650±10nm @25 °C
Output Power	5dBm @25 °C	5dBm @25 °C
Laser Class	<5mW Class IIIa	<5mW Class IIIa
Operation Mode	Continuous light or pulsed light	Continuous light
Range	>10KM for SM, MM	>10KM for SM, MM
Battery Type	2 x AA 1.5V Alkaline batteries	1 x AAA 1.5V Alkaline battery
Battery Lifetime	5hrs typical for CW mode and 10hrs typical for pulse mode	30hrs typical for CW mode
Operating Temperature	-10 to + 50 °C	-10 to + 50 °C
Storage Temperature	-20 to + 50 °C	-20 to + 50 °C
Connector Style	Universal receptacle for ϕ 2.5mm ferrule, and ϕ 2.5mm to ϕ 1.25mm converter	Universal receptacle for ϕ 2.5mm ferrule, and ϕ 2.5mm to ϕ 1.25mm converter
Dimension	ϕ 30 x 215mm	ϕ 22 x 129mm
Weight	500 grams (batteries included)	120 grams (batteries included)
Color	Black	Black plus blue