

Introduction:

The Fiberdyne Labs FD-VFL1A is a streamlined universal Visual Fault Locator (VFL). The pencil style VFL features a universal adapter which accepts any optical connector style with a 2.5mm ferrule. It operates on a single 1.5 Volt AA alkaline battery to keep the overall size to a minimum while providing long battery life. Output is from a powerful 1mW laser at 650nm to provide visibility beyond 5 kilometers.

Unlike many other VFLs today, the FD-VFL1A features a choice of continuous or modulated output and a low battery indicator to alert the user when it is time to change batteries. The universal connector eliminates the inconvenience of having to use a patch cable for direct connection to the fiber under test if connector styles are dissimilar.

This single basic tool is one that all installers, and maintenance personnel should have in their tool kit. It is the most economical test tool for quickly verifying continuity, checking the validity of patch cables before or after installation, test and find breaks in LANs, verifying short lengths of installed fiber, or looking for cracked fiber in splice cases, bad connectors, tight crimps in fiber cable, backbone breaks or anywhere light continuity needs checking.

**Features:**

- **Low Cost and Streamlined:**
The FD-VFL1A is a low cost, streamlined basic fiber test tool which is easy to handle and easy to store.
- **LED Indicators:**
The FD-VFL1A provides LED indicators for active Laser mode (continuous or modulated), and Low Battery.
- **Singlemode and Multimode Operation:**
Find breaks, bad splices, tight crimps, poor components, and bad connections.
- **Single AA Battery:**
The FD-VFL1A uses one AA Alkaline battery for convenience.
- **Optical Output Port:**
The FD-VFL1A features a universal adapter which can accept any 2.5mm ferrule such as ST, SC, FC and E2000 for examples.
- **Pocket Clip:**
The FD-VFL1A comes with a handy pocket clip for easy storage.

Specifications:

Source: Class II Laser Diode
Central Wavelength: 650 +/- 20nm @ 25°C
Output Power: > -4 dBm @ 25°C into SMF-28 Fiber
Spectral Width: < 5nm
Transmission: Continuous or 1Hz pulsed signal
Range: Visible beyond 5 km
Power: Single replaceable 1.5V AA Alkaline Battery

Environmental

Operating Temperature: -10 to +50°C
Storage Temperature: -20 to +80°C
Humidity: 0 to 95% (non-condensing)

Physical

Length: 6.2 in 157 mm
Approx. Diameter: 0.63 in 1.8 mm
Approx. Weight: 2.36 oz 67 grams

Connector Style: Universal Adapter

(Will accept any connector with a 2.5mm ferrule)

Fiberdyne Labs Visual Fault Locators	
Item No.	Description
FD-VFL1A	Visual Fault Locator, Pen Light Size, 650nm