Visual Fault Locator

The Visual Fault locator is a very useful tool designed for checking defects of a fiber cable. It emits a visible 650nm wavelength red laser light through fiber optic cables, then if there are breaks or defects in the fiber will refract the light, creating a bright glow around the faulty area. The universal connector can be used for all the most widespread fiber interfaces such as ST/SC/FC connector. It is suitable to test both singlemode and multimode cables. With an optional 2.5mm to 1.25mm optional adapter, you can easily test 1.25mm diameter fiber LC or MU connector. The visibility is from 3 Km to 5 Km dependent upon the output power of the fiber checker.

Internally there is also a pecifically designed power circuit called an APC (Auto Power Control) circuit which provides steady power. The APC prevents unstable laser output when the battery is low.The LD output signal can be switched to CW or Pulse Mode to obtain different visual effects. There is a dust cap which will prevent dirt from getting into the LD connector. The cover also prevents accidental exposure of the laser beam into anyone's eyes.

Features

- Easy to check fiber faults by using 650 nm visual red laser
- Range: Visibility up tp 3~5 Km
- Universal connector for testing additional (ST,SC,FC,MU and LC interfaces when using our optional adapter
- Operates with both Singlemode and Multimode cables
- Operates with both Continuous Wave (CW) & Pulse Mode
- Highly effective power circuits designed for stable laser power
- Dustproof cap keeps fiber connectors clean
- Powered by two AAA-size alkaline batteries
- LED indicator for Power On, Battery Low alerts

Specifications

Item	Specification
Wavelength	650 nm $\pm$ 10 nm @ 25℃
Spectral width	< 10 nm
Output Power	>0.5 mW @ 25℃ into 9μm fiber
Mode	Continuous Wave / Pulse Mode
Battery Type	AAA [1.5V x 2]
LED Indicator	GREEN LIGHT – Power On RED Light – Battery Low
Emitting Range	Visibility to 3~5 Km
Operating Temp.	0℃ to 50℃
Storage Temp.	0℃ to 70℃
Dimension	132*34*19 mm

Operating Instructions

1. The Fiber Checker is powered by two 1.5 V AAA batteries

2. To check if the power is on press the button and see if the LED is GREEN.

3. Lift the front of the dust cap up and insert on end of the fiber connector to the universal connector or directly insert onto an output connector of the fiber or patch cord.

4. Switch to Continuous Wave or Pulse Mode.

5. Press the Button and check for breaks or defects in the fiber that will refract the light, creating a bright glow around the faulty area.

6. When the LED is RED, the batteries are in low voltage status and must be replaced.

7. Do not touch the fiber's interface to avoid getting dirt in the connector.

8. Keep the fiber connector capped at all the times when the device is not in use.

9. Clean the fiber before testing so as to obtain accurate results and longer service.

Ordering Information

Partcode	Description
3C-VFL-105-XX	Visual Fault Locator

XX – Range (3KM, 5KM)