

Pen-type Visual Fault Locator

MODEL: VFL-FL Serial



Product Overview

This Pen-type VFL is specially designed for field personnel who need an efficient and economical tool for fiber tracing, fiber routing and continuity checking in optical networks. It finds breakpoints, poor connections, bending or cracking in fiber optic cables; and it can find faults in an OTDR dead zone and is used for end-to-end visual fiber identification.

Applications

- Maintenance in telecom, CATV
- Test Lab of optical fibers
- Fiber routing and continuity checking in optical networks
- Other fiber optic measurements

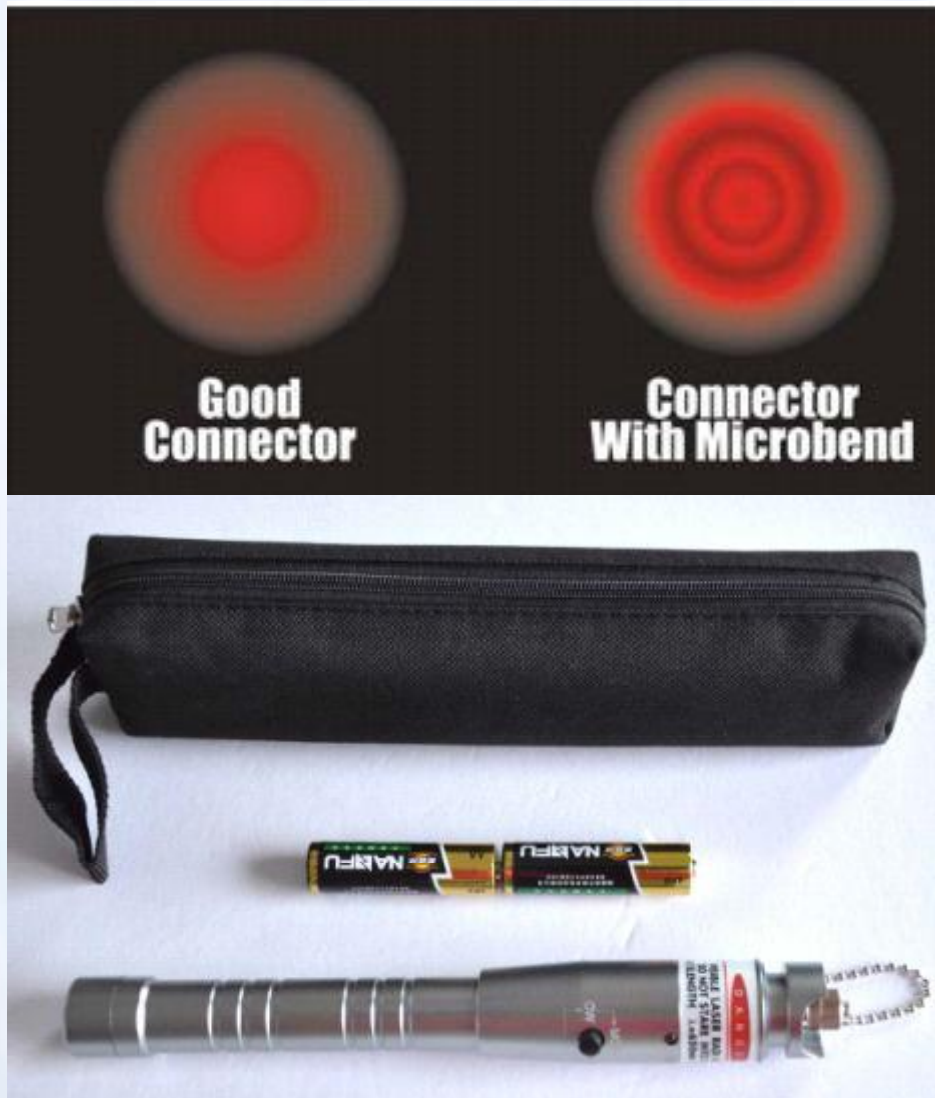
Features

- 1.25mm and 2.5mm universal connector, adaptor also can be provided on request
- Operates either in CW or Pulsed mode with constant output power
- Low battery warning
- Long battery life (up to 60 hours)
- Drop-resistant and dust-proof design of laser head
- Laser case ground design prevents ESD damage
- Portable and rugged
- Easy to use

Product Description

The Visual Fault Locator launches 650nm visible laser light into the fiber. When the light encounters a break or sharp bend, it scatters, and the scattered light can be observed emerging from the cable. The Visual Fault Locator can locate breaks in short patch cords, which an OTDR cannot detect due to their operating dead zone. A fault locator is also much cheaper than an OTDR. However, they are not recommended for using with dark-colored or armored cables. The Pen-type Visual Fault Locator can be operated in either continuous wave mode (CW mode) or in pulsed mode. Pulsed mode aids in locating faults under high ambient light conditions and improve battery life. It also could be used in checking connector quality. Often a connector may appear to be perfect. But inside the connector ferrule itself, poor gluing or dirty may create a micro bend in the fiber. This micro bend will produce

excess insertion losses or return losses, and may result in premature failure of the connector. As the visual light launches through the fiber, it emerges from the connector in question, one can readily see the distortion as a series of rings superimposed on a normal output. Bending or twisting the fiber may affect the overall intensity pattern, but not the ring pattern itself.



Specifications

Model	VFL-650-2			
Central wavelength	650nm±10nm			
Emitter type	FP-LD (Perot laser diode)			
Output power	5mw	10mw	20mw	30mw
Laser Range	≥5km	≥10km	≥20km	≥30km
Optical connector	1.25mm and 2.5mm universal connector, adaptor also can be provided on request			
Operating model	Both CW and Pulse available			
Pulse frequency	3Hz to 9Hz			
Power supply	2AA alkaline batteries			
Battery	LR6 AA alkaline battery			
Operating temperature	-20°C to 60°C			
Storage temperature	-40°C to 85°C			
Dimension	Φ23 X 190			
Weight	110g (without battery)			

Standard Package

Main unit, User Manual, BAG, PIN

Order Information

MODEL	SPECIFICATION
VFL-650-5	Output power: 5mw, Laser range: ≥ 5 KM
VFL-650-10	Output power: 10mw, Laser range: ≥ 10 KM
VFL-650-20	Output power: 20mw, Laser range: ≥ 20 KM
VFL-650-30	Output power: 30mw, Laser range: 30KM

Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: Sales@zhtelecomm.com Website: www.zhtelecomm.com Tel: +86-01081593787 Fax: +86-01081593789