

Sales Catalog of HNK Telecommunication Products

Splicing & Engineer Accessories

Optical Fiber Visual Fault Locator

Optical Fiber Visual Fault Locator (VFL) is specially designed for field personnel who need an efficient and economical tool for fiber tracing, fiber routing and continuity checking in an optical network during and after installation.

Its red laser shines through most yellow-jacketed fibers to help you pinpoint breaks, bends, faulty connectors, splices and other causes of signal loss. The convenient VFL-25 locates faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers.

Standards Compliance

- RoHS: Free of hazardous substances according to RoHS 2002/95/EG
- IEC 60825-1-2011: Safety of laser products - Part 1: Equipment classification and requirements

Features

- Metal case, Rugged and durable
- Pen pattern design, convenient for use and carry.
- Integrated case, to avoid the case intermediate broken
- Low battery indication, to avoid leakage and wrong judgment
- ESD protection design, Protect the LD effectively
- FC, SC, ST general 2.5mm interface
- 2.5mm male to 1.25mm female converter optional
- Long inspection distance, steady power output;
- Long battery life, up to 60 hours@1mW
- Re-changeable ceramic tube, to avoid returning to manufacturer for this small fault



Specifications

Type	VFL-25
Central Wavelength	650nm±10nm (635nm can be required on request)
Emitter Type	FP-LD
Output Power (mW)	1 or 10, up to 50
Optical Connector	2.5mm universal connector. (For 1.25mm connectors, FC (Male)-LC (Female) convertor can be optional on customer's requests)
Operating Model	Both CW and Pulse available
Pulse Frequency	2~3Hz
Power Supply	2 AA alkaline batteries
Battery Operating Time	650nm@1mw ≥65hours, 650nm@10mw≥15hours Test with Panasonic LR6 AA ALKALINE battery
Operating Temperature (°C)	-10~+45
Storage Temperature(°C)	-40~+70
Dimension (mm)	Φ15x180
Weight(g)	120 (Without battery)

Ordering Information

Part Number	Description
VFL-25-XX	VFL Pocket 650 nm, 2.5 mm, Pulsed & CW, XX-Output Power.

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2.5mm Male to 1.25mm Female Converter

The converter is designed to be used with the visual fault locator (VFL) and can be used to change a 2.5mm hole on a VFL to a 1.25mm connection. with small size, light stability, easy to use and other characteristics, widely used in optical fiber equipment, instrumentation testing and engineering rescue construction and other fields.



Features

- 2.5mm male to 1.25mm female converter, for VFL 1.25mm connector.
- It fits all 2.5mm size hole, simply plug to the 2.5mm hole to convert it to a 1.25mm hole.
- 1.25mm hole for LC and MU connectors.



Specifications

Material	Zinc Alloy with Nickel Plating
Sleeve material	Zirconia Ceramics
Interface	2.5mm to 1.25mm
Max. Dimensions(mm)	Φ9.9mm
Min. Dimensions(mm)	Φ2.9mm
Long(mm)	23.6mm
Weight(kg)	0.004
Operating Temperature	-40 to +75° C
Storage Temperature	-40 to +85° C
Mating durability:	>500 Mating Cycles

Ordering Information

Part Number	Description
VFL125MM	2.5mm male to 1.25mm female converter, for VFL 1.25mm connector.