

Data Sheet

OVF-1

"Pen-Size" Visual Fault Locator

Fault location in fiber optics networks



The OVF-1 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.

Fiber breaks, microbends, and poor optical splices are clearly visible as light glows through the fiber buffer or outer jacket.

Fault location behind optical connectors where the use of OTDRs is limited due to dead zones is now possible with the OVF-1.

The blink mode improves visibility for use in bright ambient light. The highly efficient laser diode operates at short wavelengths of 635 nm to ensure that the emitted light is clearly visible to the human eye. Fibre tracing is possible over more than 5 km for single-mode fibers.

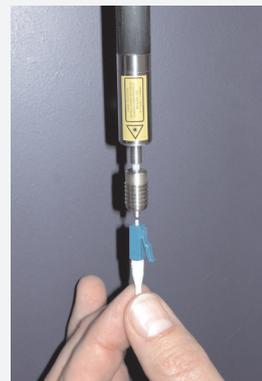
With the new universal push-pull (UPP) adapter, matching of all standard 2.5 mm optical connector types is possible. The connector is held without additional mechanical fixing.

An additional external adapter converts from 2.5 mm UPP to .125 mm UPP. This adapter allows to connect the OVF-1 to optical connectors with 1.25 mm ferrule e.g. LC, MU or F3000.

The OVF-1 comes in a rugged metal housing. With its compact, lightweight design, it fits easily in a vest pocket.

Key Benefits

- Rugged metal housing, pen-size format
- Lightweight
- Universal push-pull interfaces (UPP) for 2.5 mm and 1.25 mm
- Visible laser light at 635 nm
- Usable with single-mode and multimode fibers
- Range >5 km
- CW and blink modes
- Long battery life (>40 hours)



Specifications

Parameter	Specification
Wavelength	approx. 635 nm
Power output	approx. -5 dBm (SMF-28 Fiber, Class II Laser Product)
Optical connector	universal push pull adapter (UPP) for standard 2.5 mm connector systems. External 1.25 UPP adapter for any 12.5 mm connector system
Power	2 AAA alkaline batteries (>40 hours battery life)
Blink mode	2 to 3 Hz
Ambient Temperature	Operating range: -10°C to +45°C
	Storage range: -40°C to +70°C
Dimensions	170 × 13 mm
Weight	approx. 50 g (including batteries)

Ordering Information

Product Code	Description
BN 2252/01	OVF-1 visual fault locator
BN 2252/02	Adapter 1.25 mm for OVF-1