

# FFL-50

## Fiber Fault Locator



The FFL-50 series is compact red laser sources specially designed for fiber tracing, routing and testing the continuity of a fiber-optic cable. Their wide range of choice of output power (1/3/5/10mW) meets needs of all kind of users. The red laser shines through most jacked optical fiber cables to help the user to easily identify faults in a fiber jumper cable, ODF, patch panels, splice trays and etc. It is excellent complement to OTDR since it can locate the faulty in OTDR's dead-zone. The laser-head protective design against dust and accidental crash, and the special case design preventing the laser-head from ESD damage ensure the tool an ideal for most demanded environment.

### Specifications

Model	FFL-50	FFL-50E
Operating wavelength	650nm ± 10nm (635nm can be provided upon request)	
Emitter Type	FP-LD	
Adaptor type	2.5mm universal	
Output Power*	1mW/3mW/5mW/10mW	1mW
Operation Mode	Pulse and Continuous	Continuous
Modulated frequency	2 Hz	
Operating temperature	-10 ~ +40°C	
Storage temperature	-40 ~ +70°C	
Relative Humidity	< 95% (non-condensing)	
Dimensions (mm)	15D x 180L	15D x 160L
Weight (w/o battery)	120g	110g
Battery	2 x AA batteries	
Battery life time (hours)**	65 @ 1mW 50 @ 3mW 40 @ 5mW 15 @ 10mW	>65
Color of casing	Black, Blue, Gold and Silver ***	Black

\* Typical distance range (depending on fiber attenuation) - 1mW (5km), 3mW (6-7km), 5mW (7-8km) and 10mW (10km). Upon request, FibreOptica can offer output up to 20mW.

\*\* Test with Panasonic LR6 Alkaline AA battery

\*\*\* Colors can be customized upon request

*Note: Specifications subject to change without notice*



### Key Features

- Cost-efficient
- Small, lightweight and easy-to-use
- Identify faults in breaks, tight bend fiber-optic jumper cables, distribution frames, and patch panels.
- Detect defective/poorly-mated connectors, poor fusion splice and major surface quality problems caused by scratch.
- Ensure end-to-end fiber continuity along long-distance range.
- Identifies connectors in patch panels
- Identifies fibers during splicing operations.
- Protective design from dust and accidental crash
- CE Approval
- ESD damage protection
- Low battery warning
- Long battery life – up to 65hours

### Standard Package

- 2.5mm universal connector
- 2 pieces of Alkaline AA battery
- Operating Manual
- Soft carrying case

### Related Products

FFL-10

FFL-20 series

FFL-30/40 series

### ORDERING INFORMATION (for FFL-50)

#### FFL-50-AAA-BB-CC-X

**AAA – Wavelength**

635 = 635nm<sup>a)</sup>

650 = 650nm

<sup>a)</sup> offers 1mW output only

**BB – Output power**

01 = 1mW

03 = 3mW

05 = 5mW

10 = 10mW

**CC – Connector type**

25 = Standard 2.5mm universal connector

12 = 2.5mm to 1.25mm universal adapter

LC = 2.5mm to LC (Female) adapter

**X – Color of casing**

A = Black

B = Blue

G = Gold

S = Silver

Example: FFL-50-650-01-12-A (650nm, 1mW output, 2.5mm to 1.25mm universal adapter, Black casing).