

FLS-190

HIGH-POWER VISUAL FAULT LOCATOR (VFL)

- High-power pocket-sized VFL—essential tool for any technician testing fiber over long distances



KEY FEATURES

5 mW output power

12 km range

Laser safety class 3R

Bright red laser at 650 nm

Flashing and continuous operation modes

30 hours of operation (typical)

Standard AA alkaline batteries

Pocket-sized pen-style design

2.5 mm universal connector

1.25 mm adapter available

The FLS-190 is the easiest way to identify fibers from end to end, and to locate polished connector endfaces. Its red laser shines through most jacketed fibers to help you pinpoint breaks, bends, faulty connectors, splices and other causes of signal loss. It has a reach of up to 12 km^a. The FLS-190 pinpoints faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers. It can also be used to identify the port of a fiber in a patch panel.

COMPACT DESIGN

With a pocket-sized and streamlined pen-style design, this VFL can easily be carried anywhere. The FLS-190 comes with an anodized aluminium casing. This long-lasting and lightweight device is designed to be part of the essential toolkit for any fiber-testing field technician.

COST-EFFECTIVE

The FLS-190 high efficiency guarantees prolonged operation with two standard AA alkaline batteries, typically providing 30 hours of uninterrupted operation. It is also compatible with rechargeable batteries, reducing the need for single-use ones.

The FLS-190 offers an affordable solution for locating fibers and faults, making it a valuable—if not essential—tool for each and every fiber technician.

a. Typical length of continuous fiber at which end-to-end identification is possible, depending on fiber attenuation and on ambient light conditions at test site.

SPECIFICATIONS ^a	
Operation mode	Flashing and continuous
Flashing frequency (Hz)	2 ~ 3
Wavelength (nm) (typical)	650
Emitter type	Laser
Power output (mW) (max.)	5
Distance range (km) (typical) ^b	12

FIVE WAYS TO USE A VFL

Detects breaks in OTDR dead zone. Highlights sharp bends where losses occur. Optimizes mechanical/fusion splices. Detects defective connectors. Ensures end-to-end fiber identification in multifiber cables.

a. Specifications are valid at 23 °C ± 1 °C.
 b. Depends on fiber attenuation and ambient light conditions.
 c. Typical battery life using AA alkaline batteries.

ORDERING INFORMATION

FLS-190

GENERAL SPECIFICATIONS	
Power supply	2 AA alkaline batteries
Laser class	3R
Battery life (h) ^c	Pulsed > 27 Continuous > 15
Length	180 mm (7 1/16 in)
Maximum diameter	24 mm (15/16 in)
Weight (with batteries)	180g (6.3 oz)
Temperature	Operating -10 °C to 40 °C (14 °F to 104 °F) Storage -40 °C to 70 °C (-40 °F to 158 °F)

LASER SAFETY

Complies with 21 CFR 1040.10 except for deviations pursuant to laser notice No. 50, dated June 24, 2007.

STANDARD ACCESSORIES (INCLUDED)

Quick reference guide, belt-loop holster and two AA alkaline batteries.

ACCESSORIES	
GP-1013	Universal 1.25 mm ferrule adapter

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