

FLS-140

VISUAL FAULT LOCATOR



Highly efficient pocket-size visual fault locator—the ideal complementary tool for any fiber-testing technician.

SPEC SHEET

KEY FEATURES

Bright red laser at 655 nm

Pulsed and CW operation

40 hours of operation (typical)

Standard AAA alkaline batteries

Pocket-size pen-style design

2.5 mm universal connector



The FLS-140 is the easiest way to identify fibers from end to end and locate polished connector endfaces. Its red laser shines through most yellow-jacketed fibers to help you pinpoint breaks, bends, faulty connectors, splices and other causes of signal loss. It has a reach of up to 5 km^a. The convenient FLS-140 locates faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers.

Compact design

With a pocket-size pen-style design, this visual fault locator can easily be carried anywhere. Thanks to its anodized aluminium casing, this long-lasting and lightweight tool is the complementary tool of choice for any fiber-testing field technician.

Cost-effective

The FLS-140's extremely high efficiency guarantees prolonged operation with two standard AAA alkaline batteries, typically providing 40 hours of uninterrupted operation.

Priced to accommodate the tightest budgets, the FLS-140 is a truly affordable way to locate faults in OTDR dead zones. Its effectiveness justifies purchasing one for just about every fiber technician.

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

SPECIFICATIONS ^a	
Operation (Hz)	2 to 3
Wavelength (nm) (typical)	650 to 660
Emitter type	Laser
Power output ^b (typical) (mW)	0.6
Maximum power output ^b (mW)	<1
Distance range ^c (typical) (km)	5
Operation mode	Pulsed and CW

GENERAL SPECIFICATIONS		
Power supply	2 AAA alkaline batteries	
Laser class	2M	
Battery life ^d (h)	Pulsed	40
Length	157 mm (6 3/16 in)	
Maximum diameter	12 mm (1/2 in)	
Weight (with batteries)	70 g (2.5 oz)	
Temperature	Operating	-10 °C to 45 °C (14 °F to 113 °F)
	Storage	-30 °C to 60 °C (-22 °F to 140 °F)

SIX WAYS TO USE A VISUAL FAULT LOCATOR

- 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.

LASER SAFETY

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

STANDARD ACCESSORIES

Quick reference guide (including certificate of compliance) and two AAA alkaline batteries.

ORDERING INFORMATION

FLS-140

a. Specifications are valid at 23 °C ± 3 °C.
 b. Only valid with 50/125 µm fiber.
 c. Depends on fiber attenuation.
 d. Typical battery life using AAA alkaline batteries: VARTA Industrial No. 4003; 1.5 V; LR03 Micro; AM4; MN2400. Battery life may fluctuate significantly, depending on specific unit's laser current.

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