# FLS-140



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

# **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\*. 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.

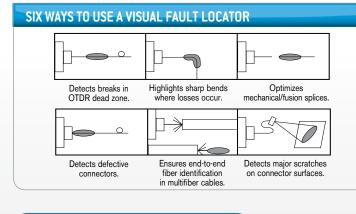
\* Typical length of continuous fiber at which end-to-end identification is possible, depending on fiber attenuation. Visual fault location depends on ambient light conditions at test site.

#### **SPECIFICATIONS**<sup>a</sup>

Operation (Hz)	2 to 3	
Wavelength (nm) (typical)	650 to 660	
Emitter type	Laser	
Power output <sup>b</sup> (typical) (mW)	0.6	
Distance range $^{\rm c}$ (typical) (km)	5	
Operation mode	Pulsed and CW	

#### Notes

- a. Specifications are valid at 23 °C  $\pm$  3 °C.
- b. Only valid with 50/125 μm fiber.
- c. Depends on fiber attenuation.
- 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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GENERAL SPECIFICATIONS			
Power supply	2 AAA alkaline batteries		
Laser class	2		
Battery life <sup>d</sup> (h) pulsed	40		
Length	157 mm	(6 <sup>3</sup> /16 in)	
Maximum diameter	12 mm	(1/2 in)	
Weight (with batteries)	70 g	(2.5 oz)	
Temperature operating storage	−10 °C to 45 °C −30 °C to 60 °C	(14 °F to 113 °F) (−22 °F to 140 °F)	

#### LASER SAFETY



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

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#### STANDARD ACCESSORIES

Quick reference guide (including Certificate of Compliance) and two AAA alkaline batteries.

#### **ORDERING INFORMATION**

FLS-140

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