# FLS-140

### **VISUAL FAULT LOCATOR**



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

PEC SHEET



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**

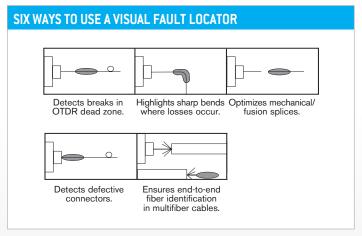
The FLS-140's extremely high efficiency guarantees prolonged operation with two standard AAA alkaline batteries, typically providing 40 hours of uninterrupted operation.

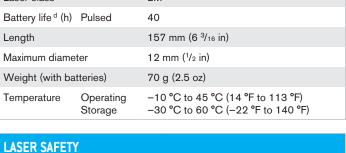
Priced to accommodate the tightest budgets, the FLS-140 is a truly affordable way to locate faults in OTDR dead zones. Its effectiveness justifies purchasing one for just about every fiber technician.

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 <sup>b</sup> (typical) (mW)	0.6
Maximum power output b (mW)	<1
Distance range <sup>c</sup> (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 <sup>3</sup> / <sub>16</sub> in)
Maximum diameter		12 mm ( <sup>1</sup> / <sub>2</sub> in)
Weight (with batteries)		70 g (2.5 oz)
Temperature	Operating Storage	-10 °C to 45 °C (14 °F to 113 °F) -30 °C to 60 °C (-22 °F to 140 °F)





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

## STANDARD ACCESSORIES

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

2007.

#### **ORDERING INFORMATION**

**FLS-140** 

- a. Specifications are valid at 23 °C ± 3 °C.
- b. Only valid with 50/125  $\mu m$  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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