

# Pocket Pal Visual Fault Locator

FLS-240



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Bright red laser at 635 nm

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Pulsed operation

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50 hours of operation (typical)

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Standard AAA alkaline batteries

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Rugged and weatherproof

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Universal connector (2.5 mm or 1.25 mm)

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The Pocket Pal 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-240 locates faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers.

#### Robust Design

Due to its small size, light weight and simple but proven design, the Pocket Pal can accompany you anywhere. In your pocket or belt pouch, carry your FLS-240 to the most demanding environments. To ensure ruggedness, it features rubber seals, a fully enclosed laser head and a long-lasting On/Off switch. It has been tested to provide reliable operation under intensive use and harsh conditions.

#### Cost-Effective

The Pocket Pal's extremely high efficiency guarantees prolonged operation with two standard AAA alkaline batteries, typically providing 50 hours of uninterrupted operation.

Priced to accommodate the tightest budgets, the FLS-240 Pocket Pal 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. Visual fault location depends on ambient light conditions at test site.



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## Specifications

Model	FLS-240
Operation (Hz)	2 to 4
Wavelength (nm)	630 to 645
Emitter type	laser
Power output (typical) (mW)	0.60
Distance range <sup>1</sup> (typical)	5 km

### General Specifications

Power supply	2 AAA alkaline batteries	
Laser class	2	
Battery life <sup>2</sup> (h)	flashing	50
Length	17.5 cm	(6 7/8 in)
Maximum diameter	2.5 cm	(1 in)
Weight	empty	80 g
	with batteries	120 g
Temperature	operating	-10 °C to 50 °C (14 °F to 122 °F)
	storage	-30 °C to 60 °C (-22 °F to 140 °F)

### Standard Accessories

User Guide, two AAA alkaline batteries, soft pouch and wrist strap, and Certificate of Compliance

### Notes

1. Depends on fiber attenuation
2. Typical battery life using AAA alkaline batteries. Battery life may fluctuate significantly, depending on a specific unit's laser current.

### Product Selection Guide

Choosing the right wavelength for your applications is important. The 635 nm and 650 nm (wavelength options), have different properties. Each wavelength has its own merits and should be selected in light of its intended purpose.

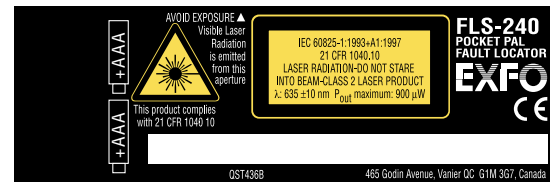
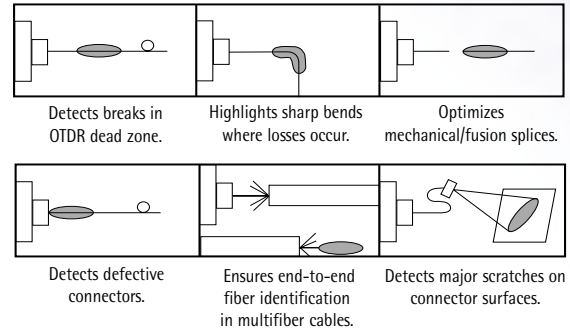
Model Number	Wavelength/Features	Applications	Selection Criteria	Comments
FLS-240	635 nm • Excellent visibility • Highest attenuation • Universal 2.5 mm or 1.25 mm connector	• Short distances • Fault location at, or near the launch point • OTDR front-end dead zone	• Appears approximately six times brighter than 670 nm at launch point • Light intensity will decrease more rapidly along the fiber	• Has the brightest appearance • Best short-range visibility/price ratio
FLS-230A (Ask for a separate data sheet)	650 nm • Very good visibility • Moderate attenuation	• All applications • Both short and long ranges	• Optimized for high visibility and distance range	• Best overall performance • Provides the most flexibility

## Ordering Information

FLS-24X

- 1 = Universal 2.5 mm ferrule  
2 = Universal 1.25 mm ferrule

### Six ways to use a visual fault locator



Find out more about EXFO's extensive line of high-performance portable instruments by visiting our Web site at [www.exfo.com](http://www.exfo.com)

<p><b>Rugged Handheld Solutions</b></p> <ul style="list-style-type: none"> <li>• OLTS</li> <li>• Power Meter</li> <li>• Light Source</li> <li>• Talk Set</li> </ul>	<p><b>UNIVERSAL TEST SYSTEM</b></p> <ul style="list-style-type: none"> <li>• OTDR</li> <li>• OLTS</li> <li>• ORL</li> <li>• Switch</li> </ul>	<p><b>Optical Fiber</b></p> <ul style="list-style-type: none"> <li>• OSA</li> <li>• PMD</li> <li>• Chromatic Dispersion Analyzer</li> <li>• Multiwavelength Meter</li> </ul>	<p><b>DWDM Test Systems</b></p> <ul style="list-style-type: none"> <li>• 10/100 and Gigabit Ethernet</li> <li>• SONET/SDH (DSO to OC-192c)</li> <li>• SDH/PDH (64Kb/s to STM-64c)</li> </ul>	<p><b>Protocol</b></p>

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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In case of discrepancy, the Web version takes precedence over any printed literature.