EXFO

FLS-235B

Pocket Pal Visual Fault Locator

Easy to use
The Pocket Pal is the easiest way to identify fibers from end to end and polished connector end faces. 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-235B locates faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers.

Easy to carry
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-235B 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.

Bright red laser at 635 or 670 nm

Pulsed and continuous operation

80 hours of operation in flashing mode (typical)

Standard AA alkaline batteries

Rugged and weatherproof

FC, ST, or SC connector

Compliant with Bellcore TR-NWT-001319 optical power requirements

Easy on batteries
The Pocket Pal's extremely high efficiency guarantees prolonged operation with two standard AA alkaline batteries. The Pulsed mode typically provides 80 hours of uninterrupted flashing operation, while the Continuous mode operates during 40 hours. For added safety and convenience, an LED indicator confirms whether the laser is on or off.

Easy on your budget
Priced to accommodate the tightest budgets, the FLS-235B 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.*

SPECIFICATIONS

Model	FLS-235B1	FLS-235B3
Operation	CW/1 Hz	CW/1 Hz
Wavelength (nm)	635 ±10	670 ±10
Emitter type	laser	laser
Power output (typical) (mW)	0.80	0.80
Distance range	5 km 3 mi.	5 km 3 mi.

GENERAL SPECIFICATIONS

Power supply		2 AA alkaline batteries	
Laser class		2	
Battery life[1] (hr)	continuous	40	
	flashing	80	
Length		19.6 cm	7 3/4 in.
Maximum diameter		3.2 cm	1 1/4 in.
Weight	empty	135 g	4.8 oz.
	with batteries	180 g	6.3 oz.
Temperature	operating	-10° to 50°C	14° to 122°F
	storage	-40° to 85°C	-40° to 185°F

STANDARD ACCESSORIES

Instruction manual, two AA alkaline batteries, soft pouch and wrist strap, and Certificate of Compliance

ORDERING INFORMATION

FLS-235BX-XX

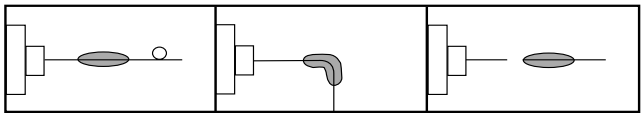
Source code
1 = 635 nm
3 = 670 nm

Connector code
50 = FC/PC
54 = SC/PC
74 = ST/PC

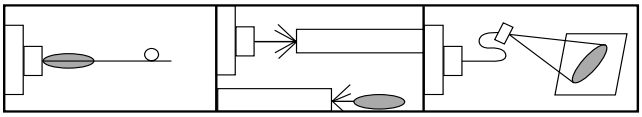
NOTES

1. Typical battery life using AA alkaline batteries. Battery life may fluctuate significantly, depending on a specific unit's laser current.

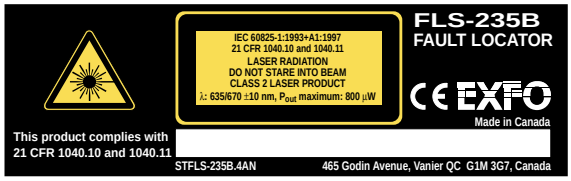
SIX WAYS TO USE A VISUAL FAULT LOCATOR



Detects breaks in OTDR dead zone | Highlights sharp bends where losses occur | Mechanical/fusion splice optimization



Detects defective connectors | End-to-end fiber identification in multifiber cables | Detects major scratches on connector surface



EXFO is certified ISO 9001 and attests to the quality of its products. These products are accompanied by a 12-month warranty and an excellent after-sales support service.

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 brochure is accurate. However, we accept no responsability for any errors or omissions, and we reserve the right to modify design, characteristics, and products at any time without obligation.

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

PRODUCT SELECTION GUIDE

Choosing the right wavelength for your applications is important. The three wavelength options, 635, 650, and 670 nm, 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-235B1	635 nm • Excellent visibility • Highest attenuation	• 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 • Not as good as 650 or 670 nm in long fiber span (loses its visibility edge over 6000 ft. or 1.8 km)
FLS-235B3	670 nm • Good visibility • Lowest attenuation	• End-to-end identification • Long spans • Fault location beyond 6000 ft. or 1.8 km	• Reaches farther out than 650 and 635 nm • Appears less bright at launch point	• Most affordable of all • Within capital tools budget of most companies • Unbeatable distance range per dollar 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

1 800 663-3936
info@exfo.com
www.exfo.com

CORPORATE HEADQUARTERS: 465 Godin Avenue, Vanier QC G1M 3G7, Canada Tel.: (418) 683-0211 Fax: (418) 683-2170
EXFO AMERICA: 903 North Bowser, Suite 360, Richardson, TX, 75081, USA Tel.: 1 800 663-3936 Fax: (972) 907-2297
EXFO EUROPE: Centre d'Affaires-Les Metz, 100, rue Albert Calmette, 78353 Jouy-en-Josas, France Tel.: +33 1 34 63 00 20 Fax: +33 1 34 65 90 93

SPFLS235B.4AN 99/07

Printed in Canada