LFD-200

LIVE FIBER DETECTOR

Allows you to detect traffic and measure signals anywhere on singlemode fibers without having to disconnect them.

KEY FEATURES

No need to open fiber for identification

Hands-free operation via Hold button

Three interchangeable adapter heads

Extended range model: 23 to −50 dBm

FROST & SULLIVAN

2011 BEST PRACTICES AWARD

GLOBAL PORTABLE FIBER OPTIC
TEST EQUIPMENT MARKET
SHARE LEADERSHIP AWARD

EXFO

NO-DISCONNECTION LIVE FIBER DETECTION

The LFD-200 Live Fiber Detector allows you to detect traffic and measure signals anywhere on singlemode fibers without having to disconnect them. It also lets you check for signal presence before rerouting or maintenance, perform continuity tests and verify cable labeling. Based on non-destructive macrobending technology, the LFD-200 doesn't disrupt traffic, damage or overstress the fiber, enabling efficient, accurate and reliable data acquisition.

Simple Testing of Multiple Fiber Types

EXFO's LFD-200 is the only instrument of its kind on the market that comes with a choice of three built-in, interchangeable adapter heads, making it an all-in-one solution for live fiber detection. The handle's storage compartment holds the extra adapter heads for simple conversion and easy testing of various fiber types.

The LFD-200 also features a unique Hold button that enables hands-free operation. Just push up the button and click it down. You are now free to operate your setup.

LFD-201   LFD-202   LFD-202E

Adapter heads compartment (door open)

Adapter heads compartment (door closed)

Ball allowing the adjustment of the compartment door

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COMPLETE DIAGNOSIS. FAST.

Simply clamp the LFD-200 onto a fiber, listen for a beep indicating the presence of traffic, then view a complete status report on the multifunction LED display:

› Signal presence or absence (live or dark fiber)

› Signal type (customer traffic, continuous or modulated test signal at 270 Hz, 1 kHz or 2 kHz)
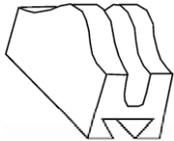
› Signal direction

› Core power within 2 dB (typical)

LFD-200 SERIES: MODELS AND FEATURES	LFD-201	LFD-202	LFD-202E
Core power display		√	√
Maximum power range (dBm)	0 to −40	0 to −40	23 to −50
Over-range indicator		√	√
Fiber type	Single fiber	Single fiber	Single fiber
Fiber heads (included)	3 mm 900 250/RIB	3 mm 900 250/RIB	3 mm 900 250/RIB
Optional 2 mm head Optional 1.6 mm head	√	√	√ √

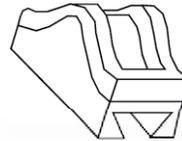## Standard Accessories (Interchangeable Heads)

LFD-201, LFD-202 and LFD-202E
3 mm
Extra head for jacketed fiber (3 mm)

900
Extra head for jacketed fiber (900 μm)

250/RIB
Extra head for coated fiber (250 μm) and ribbon fiber

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SPECIFICATIONS

LFD-201, LFD-202 and LFD-202E

Optical Characteristics, Typical

Optical tone receiver	270 Hz, 1 kHz, 2 kHz
Detection technique	Non-destructive macrobending
Loss	< 0.6 dB at 1310 nm
Spectral response	800 nm to 1650 nm
Minimum fiber slack	1.2 cm ($^1/_2$ in) required for detection

Core Power Detection, Typical [a]

LFD-201	0 dBm to −40 dBm
LFD-202	0 dBm to −40 dBm
LFD-202E	23 dBm to −50 dBm

Fiber Compatibility

Dual window, singlemode	8 µm to 10 µm core diameter
Coating diameter	250 µm diameter
Coating	High refractive index, acrylate

GENERAL SPECIFICATIONS

Size (H x W x D)	236 mm x 30 mm x 32 mm	(9 $^5/_{16}$ in x 1 $^3/_{16}$ in x 1 $^1/_4$ in)
Weight	0.3 kg	(0.6 lb)
Battery	Standard 9 V alkaline battery	
Battery life	Approx. 5000 readings	
Temperature Operating Storage	−20 °C to 50 °C −40 °C to 60 °C	(−4 °F to 122 °F) (−40 °F to 140 °F)
Humidity	0 % to 90 % non-condensing at 35 °C	

OPTIONAL ACCESSORIES

Optional interchangeable 2 mm head

Optional interchangeable 1.6 mm head

Includes: LFD-200 carrying case, three interchangeable adapter heads, user guide, 9 V alkaline battery and Certificate of Compliance.

Note
a. At 1550 nm.

ORDERING INFORMATION

LFD-20**X**-**X**

Live fiber detector
LFD-20**1** = Standard live fiber detector without core power reading display
LFD-20**2** = Live fiber detector with core power reading display
LFD-20**2E** = Core power reading display (23 dBm to −50 dBm)

Additional heads
00 = No additional heads
01 = With 2 mm interchangeable head
02 = With 1.6 mm interchangeable head
03 = With 2 mm and 1.6 mm interchangeable heads

Example: LFD-201-01

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