SPEC SHEET

LFD-200

LIVE FIBER DETECTOR

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



FROST & SULLIVAN
2015 BEST PRACTICES AWARD
GLOBAL PORTABLE FIBER OPTIC TEST EQUIPMENT MARKET LEADERSHIP AWARD

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

MEGA HERTZ
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 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.



The LFD-202 and LFD-202E features a storage compartment to hold extra adapter heads.



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-202	**LFD-202E**
Core power display	•	•
Maximum power range (dBm)	0 to −40	23 to −50
Over-range indicator	•	•
Fiber type	Single fiber	Single fiber
Fiber heads (included)	3 mm / 900 / 250/RIB	3 mm / 900 / 250/RIB
Optional 2 mm head Optional 1.6 mm head	• •	• •
Storage compartment for interchangeable heads	•	•

Standard accessories (interchangeable heads)

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



SPECIFICATIONS

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-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 (−4 °F to 122 °F) −40 °C to 60 °C (−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.

a. At 1550 nm.

ORDERING INFORMATION

LFD-20XX-XX

Live fiber detector
LFD-202 = Live fiber detector with core power reading display
LFD-202E = Core power reading display (23 dBm to −50 dBm)

Example: LFD-202-01

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

Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com
https://www.go2mhz.com/product/live-fiber-detector/

EXFO serves over 2000 customers in more than 100 countries.

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