

LFD-200

LIVE FIBER DETECTOR



SPEC SHEET

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



Specifications and descriptions are subject to change without prior notice.

überreicht durch:

Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Büro Süd:

Katharinenstr. 57
D-73728 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de

©Opternus GmbH
Juli 2016

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-201, 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)

EXFO

Specifications and descriptions are subject to change without prior notice.

überreicht durch:

Opternus

Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Büro Süd:

Katharinenstr. 57
D-73728 Esslingen

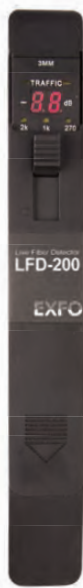
Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de

LFD-200 SERIES: MODELS AND FEATURES

	LFD-201	LFD-202	LFD-202V	LFD-202E
Core power display		✓	✓	✓
Maximum power range (dBm)	0 to -40	0 to -40	23 to -50	23 to -50
Over-range indicator		✓	✓	✓
Fiber type	Single fiber	Single fiber	Single fiber	Single fiber
Fiber heads (included)	3 mm 900 250/RIB	3 mm 900 250/RIB	3 mm 900 250/RIB	3 mm 900 250/RIB
Optional 2 mm head	✓	✓	✓	✓
Optional 1.6 mm head			✓	✓
Storage compartment for interchangeable heads	✓	✓		✓

Product image



Standard Accessories (Interchangeable Heads)

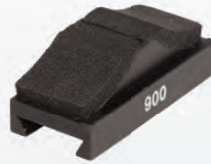
3 mm

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 and descriptions are subject to change without prior notice.

überreicht durch:

Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 BargteheideTel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de

Büro Süd:

Katharinenstr. 57
D-73728 EsslingenTel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

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-201	0 dBm to -40 dBm
LFD-202	0 dBm to -40 dBm
LFD-202E	23 dBm to -50 dBm
LFD-202V	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)	LFD-201, LFD-202 & LFD-202E	
	236 mm x 30 mm x 32 mm (9 5/16 in x 1 3/16 in x 1 1/4 in)	
	LFD-202V	
	197 mm x 30 mm x 32 mm (7 3/4 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	
	-20 °C to 50 °C	(-4 °F to 122 °F)
Storage	-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.

Note

a. At 1550 nm.

ORDERING INFORMATION

LFD-20X-X

Live fiber detector

LFD-201 = Standard live fiber detector without core power reading display
 LFD-202 = Live fiber detector with core power reading display
 LFD-202E = Core power reading display (23 dBm to -50 dBm)
 LFD-202V = 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

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.comEXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.

EXFO is certified ISO 9001 and attests to the quality of these products. 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. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. **Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.**

For the most recent version of this spec sheet, please go to the EXFO website at www.EXFO.com/specs.

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

Specifications and descriptions are subject to change without prior notice.

überreicht durch:



Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 BargteheideTel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Büro Süd:

Katharinenstr. 57
D-73728 EsslingenTel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de