

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO LFD-202 Live Fiber Detector

Key Features - No-disconnect macrobending detection - Core power display 0 to -40 dBm typical - Tone receiver 270 Hz / 1 kHz / 2 kHz - Traffic presence, type and direction indicators - Hold button for hands-free clamping - Three interchangeable adapter heads included - Over-range HI/LO indicators - About 5000 readings per 9 V battery

Technical Specifications Model: LFD-202 Manufacturer: EXFO Instrument Type: Live Fiber Detector with Core Power Display Series: LFD-200 Optical tone receiver Hz: 270; 1000; 2000 Detection technique: non-destructive macrobending Insertion loss dB: <0.6 at 1310 nm typical Spectral response nm: 800 to 1650 Minimum fiber slack: 1.



MODEL

Exfo LFD-202

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LFD-202

LISTING

<https://aumictechlabs.com/products/lfd-202-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO LFD-202 Live Fiber Detector is a handheld instrument for non-destructive detection of optical signals on active fibers without disconnection. Using a safe macrobending technique, it identifies traffic presence and direction, performs continuity testing, and verifies cable integrity while preserving network uptime and fiber integrity.

Technical Specifications The LFD-202 operates across a spectral range of 800 nm to 1650 nm with insertion loss below 0.6 dB at 1310 nm. Power measurement spans 0 to -40 dBm, with the LFD-202E model extending to 23 to -50 dBm. Mean detectable signal power for singlemode fiber at 1310 nm reaches -40 dBm. Minimum detector sensitivity for bare ribbon fiber is -40 dBm at 1310 nm and -50 dBm at 1550 nm. The

device detects continuous and modulated signals, with optical tone receiver frequencies of 270 Hz, 1 kHz, and 2 kHz. Fiber compatibility includes singlemode (8 µm to 10 µm core diameter), dual window singlemode, multimode, and ribbon fiber. Detection requires minimum fiber slack of 1.9 cm (3/4 in) or 1.2 cm (1/2 in) depending on fiber type. Interchangeable fiber heads support 3 mm, 900 µm, and 250 µm/ribbon configurations, with optional 2 mm and 1.6 mm heads available. Dedicated heads exist for jacketed fiber, coated fiber, and both bare and jacketed ribbon fiber. The device operates on a standard 9 V alkaline battery with approximately 5000 readings per charge.

Key Features

- Non-disruptive macrobending detection preserves traffic flow and prevents fiber stress
- Simple one-button operation with hands-free Hold function
- Core power display for accurate signal measurement
- Over-range indicator for out-of-specification signals

Compact form factor: 236 mm × 30 mm × 32 mm, weighing 0.3 kg

Typical Applications

- Fiber identification, continuity verification, fault detection, network maintenance, and emergency restoration tasks.

Compatibility & Integration

- Operates from -20 °C to 50 °C with storage capability to -40 °C to 70 °C.
- Humidity tolerance: 0 % to 95 % non-condensing (0 % to 90 % at 35 °C).

Features & description

From manufacturer datasheet

Features

- No-disconnect macrobending detection

LFD202 Characteristics / Specifications

PARAMETER	VALUE
Model	LFD-202
Manufacturer	EXFO
Instrument Type	Live Fiber Detector with Core Power Display
Series	LFD-200
Optical tone receiver Hz	270; 1000; 2000
Detection technique	non-destructive macrobending
Insertion loss dB	<0.6 at 1310 nm typical
Spectral response nm	800 to 1650
Minimum fiber slack	1.2 cm (1/2 in)
Core power detection typical dBm	0 to -40 at 1550 nm
Core power uncertainty typical dB	+/-2 (series literature)
Over range indicator	yes
Fiber type	dual window singlemode
Core diameter um	8 to 10
Coating diameter um	250
Coating material	high refractive index acrylate
Heads included	3 mm; 900 um; 250 um / RIB
SizeHxWxD	236 mm x 30 mm x 32 mm
Weight	0.3 kg
Battery	standard 9 V alkaline
Battery life	about 5000 readings
Operating temperature	-20 C to 50 C
Storage temperature	-40 C to 60 C
Humidity	0% to 90% non-condensing at 35 C
Hands free Hold	yes

PARAMETER	VALUE
Signal direction indication	yes
Dark fiber indication	yes
Alias	LFD202 Notes Specs from EXFO LFD-200 OEM spec sheet for LFD-202. Extended-range LFD-202E (23 to -50 dBm) and high-power LFD-202P are different models. Confirm heads and battery condition.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 60 C
Operating temperature	20 C to 50 C
Operating Temperature	20 C to 50 C
Humidity	0% to 90% non-condensing at 35 C
Hands free Hold	yes
Signal direction indication	yes
Dark fiber indication	yes
Alias	LFD202 Notes Specs from EXFO LFD-200 OEM spec sheet for LFD-202. Extended-range LFD-202E (23 to -50 dBm) and high-power LFD-202P are different models. Confirm heads and battery condition.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	LFD-202
Manufacturer	EXFO
Instrument Type	Live Fiber Detector with Core Power Display

Specifications	
PARAMETER	VALUE
Series	LFD-200
Optical tone receiver Hz	270; 1000; 2000
Detection technique	non-destructive macrobending

Specifications	
PARAMETER	VALUE
Insertion loss dB	<0.6 at 1310 nm typical
Spectral response nm	800 to 1650
Minimum fiber slack	1.2 cm (1/2 in)

Specifications	
PARAMETER	VALUE
Core power detection typical dBm	0 to -40 at 1550 nm
Core power uncertainty typical dB	+/-2 (series literature)
Over range indicator	yes

Specifications	
PARAMETER	VALUE
Fiber type	dual window singlemode
Core diameter um	8 to 10
Coating diameter um	250

Coating material: high refractive index acrylate

Heads included: 3 mm; 900 um; 250 um / RIB

Optional heads: 2 mm; 1.6 mm

Specifications

PARAMETER	VALUE
SizeHxWxD	236 mm x 30 mm x 32 mm
Weight	0.3 kg
Battery	standard 9 V alkaline

Specifications

PARAMETER	VALUE
Battery life	about 5000 readings
Operating temperature	-20 C to 50 C
Storage temperature	-40 C to 60 C

Specifications

PARAMETER	VALUE
Humidity	0% to 90% non-condensing at 35 C
Hands free Hold	yes
Signal direction indication	yes

Dark fiber indication: yes

Alias: LFD202

Notes

Specs from EXFO LFD-200 OEM spec sheet for LFD-202. Extended-range LFD-202E (23 to -50 dBm) and high-power LFD-202P are different models. Confirm heads and battery condition.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.