


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AFL

AFL FS200-100

AFL OTDRs. Power Range (dBm): +23 to -50 dBm (optional power meter); +3 dBm live fiber protection threshold; -35 dBm live fiber detection threshold, Wavelength Range: 1310 nm / 1550 nm.



MODEL

AFL FS200-100

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FS200-100

LISTING

<https://aumictechlabs.com/products/fs200-100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The AFL FS200-100 FlexScan OTDR is a compact, handheld optical time-domain reflectometer for single-mode fiber optic network testing and troubleshooting. It combines OTDR, integrated visual fault locator, and optional light source and power meter capabilities in one field instrument. The touchscreen interface supports multiple testing modes SmartAuto, Expert, and Real Time - with automated analysis and pass/fail indications. Flexpress Fast Test completes full OTDR measurements in under 5 seconds. Technical Specifications Wavelengths: 1310 nm / 1550 nm Dynamic Range: 32 dB (1310 nm), 30 dB (1550 nm); up to 37 dB or 39 dB in select configurations Event Dead Zone: 0.8 m Attenuation Dead Zone: 3.6 m Pulse Widths: 3 ns to 500 ns; 1 μ s to 20 μ s Range Settings: 250 m to 240 km Data Points: Up to 300,000 (Expert mode .SOR file) Data Spacing: 5 cm to 16 m Group Index of Refraction: 1.3000 to 1.7000 (adjustable) Distance Uncertainty: $\pm(1 + 0.003\% \times \text{distance} + \text{data point spacing})$ Linearity: ± 0.05 dB/dB Real-time Refresh Rate: Up to 4 Hz Center Wavelength Tolerance: ± 20 nm (CW mode) Trace File Format:

Telcordia SR-4731 Issue 2 Storage: 4 GB internal memory (>1000 traces); USB memory stick support

Key Features

- Live Fiber Protection: No OTDR damage with input power $\leq +3$ dBm (1260–1675 nm)
- Live Fiber Detection: Detects signals ≥ -35 dBm (1260–1675 nm)
- Integrated Visual Fault Identifier (VFL)
- Optional Integrated Light Source: 270 Hz, 330 Hz, 1 kHz, 2 kHz, CW, Wave ID modulation; ± 0.1 dB stability (15 min); ± 0.15 dB (8 hr)
- Optional Integrated Power Meter: InGaAs detector, 1 mm diameter; +23 to -50 dBm measurement range; ± 0.25 dB accuracy; calibrated at 1310, 1490, 1550, 1625, 1650 nm
- Laser OTDR Emitter, Class I safety rating
- Data Transfer: USB cable, optional Bluetooth and WiFi

Typical Applications Single-mode fiber network installation, acceptance testing, and field troubleshooting. Fast event detection and attenuation measurement in PON and backbone networks.

Compatibility & Integration OTDR/source port supports in-service and out-of-service testing. Separate power meter and VFL ports. One USB host and one micro-USB function port for external peripherals and PC connectivity.

FS200100 Characteristics / Specifications

PARAMETER	VALUE
Model	FS200-100
Instrument Type	Fusion splicer
Family	AFL / Fujikura FS200
Manufacturer	AFL (Fujikura Noyes)
Literature	AFL FS200-100 fusion-splicer listings
System Role	optical fiber fusion splicer
Fiber Types Class	SM/MM (data sheet)
Alignment Class	core or cladding alignment on the FS200 sheet
Splice Time Class	seconds on the FS200 sheet
Heat Time Class	oven seconds on the FS200 sheet
Loss Class	typical splice loss on the FS200 sheet
Electrode Life Class	arc count on the sheet
Battery Class	splices per charge on the sheet
Display Class	LCD splice image
Operating Temperature Class	field splicer ambient on the sheet
Form Factor	portable fusion splicer
Brand Lineage	Fujikura / AFL Noyes
Documentation Type	FS200-100 listing
Ate Class	fiber splice
Host Class	standalone splicer
Year Class	FS200-100
Use Case	FTTx/OSP fusion splicing
Holders Class	fiber holders/sheath clamps (sheet)
Wind Dust Class	environmental cover (sheet)
Power Class	AC adapter and battery (sheet)

PARAMETER	VALUE
Operating temperature	Class: field splicer ambient on the sheet

FS200100 Specifications

PARAMETER	VALUE
Applications	Field and premises fusion splicing of SM/MM fiber with an AFL FS200 splicer.
Key Features	AFL Fujikura FS200 fusion splicer
Technical Specifications	Model: FS200-100

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: field splicer ambient on the sheet
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Year Class	FS200-100
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Holders Class	fiber holders/sheath clamps (sheet)
Wind Dust Class	environmental cover (sheet)
Power Class	AC adapter and battery (sheet) Notes From AFL FS200-100 fusion-splicer listings. Splice-loss dB, seconds, and battery count are on the FS200 data sheet; do not copy FSM-60R numbers onto FS200-100.

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	
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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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.