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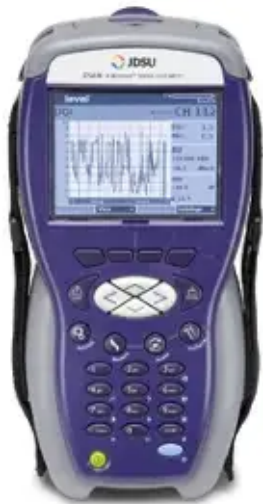
Data Sheet

August 7, 2026

JDSU

JDSU E8136LR High-Performance Optical Time Domain Reflectometer Test Module

JDSU E8136LR High-Performance Optical Time Domain Reflectometer Test Module The JDSU E8136LR is a Long-Range (LR) multi-wavelength OTDR plug-in for MTS/T-BERD 6000/8000 and OTU-8000 platforms. Configurable for 1310/1550/1625 nm (and related LR wavelength sets) with high dynamic range for short-haul through very long-haul fiber characterization. FTTx/access, long-haul, and ultra-long-haul OTDR; multi-wavelength fiber commissioning; automated bi-directional OTDR workflows. The JDSU E8136LR is a Long-Range (LR) multi-wavelength OTDR plug-in for MTS/T-BERD 6000/8000 and OTU-8000 platforms. Configurable for 1310/1550/1625 nm (and related LR wavelength sets) with high dynamic range for short-haul through very long-haul fiber characterization. FTTx/access, long-haul, and ultra-long-haul OTDR; multi-wavelength fiber commissioning; automated bi-directional OTDR workflows.



MODEL

JDSU E8136LR

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8136LR

LISTING

<https://aumictechlabs.com/products/e8136lr-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU E8136LR is a field-interchangeable Long Range OTDR plug-in module engineered for comprehensive fiber optic network testing and fault localization across short-haul, long-haul, and very long-haul deployments. This singlemode-only module delivers dynamic range up to 50 dB and pinpoints fiber breaks, splice losses, and attenuation with precision dead zones as short as

0.8 m. It characterizes fiber length, attenuation, and splice loss while discriminating failures within patch panels and distribution frames - critical for commissioning and field troubleshooting.

Technical Specifications

Dynamic Range: Up to 50 dB maximum; 43 dB at 1310 nm, 41-44 dB at 1550 nm, 41 dB at 1625 nm

Wavelengths: 1310 nm, 1490 nm (FTTx), 1550 nm, 1625 nm, 1383 nm (CWDM) - configurable at order

Dead Zones: Event dead zone 1 m minimum; shortest dead zones to 0.8 m

Distance Range: Maximum 380 km

Pulse Width: Up to 20 μ s

Acquisition Points: 128,000 maximum

Sampling Resolution: 4 cm minimum

Scan Speed: 0.1 s real-time sweep

Fiber Type: Singlemode

Key Features

- Real-time fiber characterization and automated bi-directional OTDR testing
- Rapid event detection with 0.1 s scan capability
- High-resolution sampling enables fine fault discrimination
- Supports extended reach testing to 380 km
- FiberTrace (OFS-100) and FiberCable (OFS-200) post-processing software included
- Integrated report generation

Typical Applications

- FTTx network commissioning and maintenance
- Access and point-to-multipoint topology testing
- Long-haul and submarine cable characterization
- Splice loss and attenuation measurement
- Patch panel and distribution frame fault isolation

Compatibility & Integration

Field-interchangeable with MTS-8000/T-BERD 8000, MTS-6000/T-BERD 6000, and OTU-8000 test platforms. Combines with host platform capabilities in chromatic dispersion, polarization mode dispersion, and spectral attenuation testing for complete fiber characterization.

Features & description

From manufacturer datasheet

Features

- Module: E8136LR – Long Range OTDR
- Wavelengths (typical LR config): 1310, 1550, 1625 nm (order-configurable; 1490 also offered in LR family)
- Distance range: up to ~380 km class (reseller LR specs)
- Max pulse width: to 20 μ s
- Dynamic range: up to ~50 dB class (LR high-performance family)
- Acquisition: up to 128000 points; sampling resolution down to 4 cm class
- Dead zones: event dead zones down to ~0.8 m class (family)
- Real-time scan: ~0.1 s class
- Host: MTS-6000/8000, T-BERD 6000/8000, OTU-8000; single-slot field-interchangeable
- Software: FiberTrace / FiberCable post-processing

E8136LR Characteristics / Specifications

PARAMETER	VALUE
Model	E8136LR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	High-Performance OTDR Test Module
Family	LR OTDR Modules
Alias	E8136LR; Long Range OTDR Optical Multi-λ LR OTDR; to ~50 dB DR class; MTS/OTU compatible Operational Notes Prefer JDSU Long Range OTDR module datasheet for exact DR by wavelength and dead-zone tables for the installed option set.
Module	E8136LR – Long Range OTDR
Wavelengths (typical LR config)	1310, 1550, 1625 nm (order-configurable; 1490 also offered in LR family)
Distance range	up to ~380 km class (reseller LR specs)
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Software	FiberTrace / FiberCable post-processing

E8136LR Specifications

PARAMETER	VALUE
Key Features	- Module: E8136LR — Long Range OTDR
Technical Specifications	Model: E8136LR
Optical	Multi-λ LR OTDR; to ~50 dB DR class; MTS/OTU compatible

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.

Performance Optical Time Domain Reflectometer Test Module

Overview

The JDSU E8136LR isaLong-Range (LR) multi-wavelength OTDR plug-in for MTS/T-BERD 6000/8000 and OTU-8000 platforms. Configurable for 1310/1550/1625 nm (and related LR wavelength sets) with high dynamic range for short-haul through very long-haul fiber characterization.

Applications

FTTx/access, long-haul, and ultra-long-haul OTDR; multi-wavelength fiber commissioning; automated bi-directional OTDR workflows.

Key Features

- Module: E8136LR – Long Range OTDR
- Wavelengths (typical LR config): 1310, 1550, 1625 nm (order-configurable; 1490 also offered in LR family)
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Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E8136LR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	High-Performance OTDR Test Module
Family	LR OTDR Modules
Alias	E8136LR; Long Range OTDR

Optical

Multi-λ LR OTDR; to ~50 dB DR class; MTS/OTU compatible

Operational Notes

Prefer JDSU Long Range OTDR module datasheet for exact DR by wavelength and dead-zone tables for the installed option set.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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.