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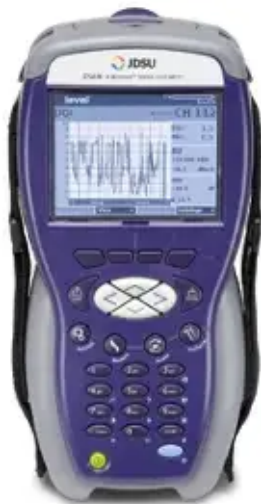
Data Sheet

August 7, 2026

JDSU

JDSU E8117MR Optical Time Domain Reflectometer

JDSU E8117MR Optical Time Domain Reflectometer The JDSU E8117MR isaMedium-Range (MR) single-wavelength OTDR plug-in module at 1625 nm for MTS/T-BERD and OTU-8000 optical test platforms. Used for in-service and out-of-service fiber characterization where 1625 nm avoids interference with live 1310/1550 traffic and supports Raman-amplified link monitoring contexts. Access/metro fiber fault location; in-service monitoring at 1625 nm; OTU-8000 / T-BERD/MTS modular OTDR testing. The JDSU E8117MR isaMedium-Range (MR) single-wavelength OTDR plug-in module at 1625 nm for MTS/T-BERD and OTU-8000 optical test platforms. Used for in-service and out-of-service fiber characterization where 1625 nm avoids interference with live 1310/1550 traffic and supports Raman-amplified link monitoring contexts. Access/metro fiber fault location; in-service monitoring at 1625 nm; OTU-8000 / T-BERD/MTS modular OTDR testing.



MODEL

JDSU E8117MR

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8117MR

LISTING

<https://aumictechlabs.com/products/e8117mr-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU E8117MR is an optical time domain reflectometer engineered for field-based testing, analysis, and troubleshooting of fiber optic networks. This instrument delivers precise

measurements essential for installation, maintenance, and verification of optical infrastructure. The E8117MR characterizes fiber optic cables, identifies faults, and validates network integrity across single-mode and multimode fiber types.

Technical Specifications

Optical Performance
Operating wavelengths: 1310 nm and 1550 nm
Dynamic range: Configuration-dependent across wavelength and pulse width settings
Event dead zone: Measured in meters; configuration-dependent
Attenuation dead zone: Measured in tens of meters; configuration-dependent
Pulse widths: Range available for optimization across fiber lengths and event resolution
Sampling resolution: Configurable for detailed fiber characterization

Optical Module
Connector types: FC/APC, SC/APC
Fiber compatibility: Single-mode fiber (SMF) and multimode fiber (MMF)

Data Management
Onboard memory capacity for test result storage

Physical Design
Configuration-dependent dimensions optimized for portable field operations
Variable weight based on configuration and optional features

Key Features
Distance measurement with high accuracy for fiber length determination
Loss quantification: total link loss and loss per kilometer/mile
Event detection and characterization: splices, connectors, bends, and breaks
Reflectance measurement from connectors and reflective events
End-of-fiber detection for physical cable termination location
Multiple measurement modes: standard OTDR, real-time OTDR
Optional Visual Fault Locator (VFL) and Optical Power Meter (OPM) capabilities

Typical Applications
The E8117MR supports field installation verification, maintenance diagnostics, network troubleshooting, and infrastructure validation for fiber optic systems.

Compatibility & Integration
Designed for both SMF and MMF fiber types with support for standard APC connector interfaces. Measurement capabilities extend to characterization of installed components including splices, connectors, and termination points.

Features & description

From manufacturer datasheet

Features

- Module: E8117MR – Medium Range OTDR
- Wavelength: 1625 nm
- Form factor: field-interchangeable single-slot OTDR module
- Host platforms: MTS-6000 / T-BERD 6000, MTS-8000 / T-BERD 8000, OTU-8000 class
- Family capability (8100-series MR class): short dead zones, deep dynamic range, fast real-time scan, up to 128000 acquisition points with fine sampling
- Post-processing: FiberTrace (OFS-100) / FiberCable (OFS-200) PC tools
- Exact dynamic range, pulse-width set, and dead zones are configuration-dependent—use module datasheet row for installed firmware/options

E8117MR Characteristics / Specifications

PARAMETER	VALUE
Model	E8117MR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	OTDR Test Module
Family	8100 / OTU OTDR Modules
Alias	E8117MR; Medium Range 1625 nm OTDR Optical 1625 nm MR OTDR module for MTS/OTU platforms Operational Notes Prefer JDSU OTU-8000 / OTDR module datasheets for numeric DR and dead-zone tables. Requires compatible mainframe.
Module	E8117MR – Medium Range OTDR
Wavelength	1625 nm
Form factor	field-interchangeable single-slot OTDR module
Host platforms	MTS-6000 / T-BERD 6000, MTS-8000 / T-BERD 8000, OTU-8000 class
Family capability (8100-series MR class)	short dead zones, deep dynamic range, fast real-time scan, up to 128000 acquisition points with fine sampling
Post-processing	FiberTrace (OFS-100) / FiberCable (OFS-200) PC tools

E8117MR Specifications

PARAMETER	VALUE
JDSU E8117MR Optical Time Domain Reflectometer	Overview
Applications	Access/metro fiber fault location; in-service monitoring at 1625 nm; OTU-8000 / T-BERD/MTS modular OTDR testing.
Key Features	- Module: E8117MR — Medium Range OTDR
Technical Specifications	Model: E8117MR
Optical	1625 nm MR OTDR module for MTS/OTU platforms
Operational Notes	Prefer JDSU OTU-8000 / OTDR module datasheets for numeric DR and dead-zone tables. Requires compatible mainframe.

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	E8117MR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	OTDR Test Module
Family	8100 / OTU OTDR Modules
Alias	E8117MR; Medium Range 1625 nm OTDR

Optical

1625 nm MR OTDR module for MTS/OTU platforms

Operational Notes

Prefer JDSU OTU-8000 / OTDR module datasheets for numeric DR and dead-zone tables. Requires compatible mainframe.

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.