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Data Sheet

August 6, 2026

JDSU

JDSU T-BERD 6000L Lite SM Fiber OTDR

The JDSU T-BERD 6000L Lite is a compact and lightweight single-mode fiber OTDR (Optical Time Domain Reflectometer) designed for testing and troubleshooting optical fiber networks. It offers essential OTDR functionality for quick and efficient fiber optic cable analysis, fault location, and characterization. Ideal for field technicians needing a portable solution.

**MODEL****JDSU T-BERD
6000L Lite****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****T-BERD 6000L Lite****LISTING**<https://aumictechlabs.com/products/t-berd-6000l-lite-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU T-BERD 6000L Lite is a compact single-mode fiber OTDR engineered for installation, troubleshooting, and maintenance of access and FTTx networks. This lightweight instrument delivers essential OTDR functionality for fiber characterization, fault localization, and cable analysis in field environments. Its 8.4-inch transreflective color display and one-button operation make it accessible to both novice and experienced technicians, while comprehensive measurement capabilities and integrated connectivity tools support efficient network diagnostics. Technical Specifications Wavelengths: 1310 nm, 1550 nm Maximum Distance Range: 260 km Dynamic Range: Up to 44 dB at 1550 nm Event Dead Zone: As low as 1 meter Attenuation Dead Zone: As low as 4 meters Pulse Widths: 3 ns to 200 ns Display: 8.4-inch transreflective TFT color, 800 × 600 resolution Acquisition Points: Up to 128,000 points with 0.1 s real-time sweep Data Storage: 1000 test results (internal memory) Connectivity: USB and Ethernet ports Key

Features Measures fiber link attenuation and attenuation coefficient along installed routes
Quantifies reflection events and splice/connector loss with precision Pinpoints fault locations and performs trace analysis for rapid troubleshooting Built-in Visual Fault Locator for visual identification of breaks and bends Integrated power meter and continuous wave laser source for link verification USB-compatible video inspection probe support One-button OTDR operation with intuitive graphical interface High-visibility display for field use across varying lighting conditions

Typical Applications Single-mode fiber installation and certification in access networks, fiber-to-the-premises (FTTx) deployments, and network maintenance. Suitable for field technicians characterizing newly installed links and troubleshooting existing fiber segments.

Compatibility & Integration Works with PC software suites including FiberTrace (OFS-100) and FiberCable (OFS-200) for post-processing test results via USB or Ethernet data transfer.

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550 nm ± 20 nm • Dynamic range: 32/30 dB (1310/1550) • Event dead zone: 2.5 m; attenuation dead zone: 8 m • Sampling: from 4 cm; up to 128,000 points • Distance range: up to 260 km • Linearity: ± 0.03 dB/dB; reflectance accuracy ± 2 dB • Distance accuracy: ± 1 m $\pm$ sampling $\pm 1 \times 10^{-5} \times$ distance • Display: 8.4" TFT 800×600 • Memory: ~1000 results internal; 2× USB, RJ-45 Ethernet • Battery: removable Li-ion; up to 11 OTDR hours (Telcordia GR-196) • Size/weight: ~285×195×93 mm; ~3.4 kg • Optional: VFL 635 nm; power meter +10 to -55 dBm (850/1310/1550)

TBERD6000LLITE Characteristics / Specifications

PARAMETER	VALUE
Model	T-BERD 6000L Lite
Manufacturer	JDSU (VIAVI)
Instrument Type	Compact SM Fiber OTDR
Alias	T-BERD 6000L; MTS-6000 LITE; T-BERD6000L OTDR 1310/1550 nm; 32/30 dB; 2.5 m / 8 m dead zones Operational Notes Prefer JDSU T-BERD/MTS 6000 LITE datasheet. Confirm installed options on unit.
Wavelengths	1310/1550 nm ±20 nm
Dynamic range	32/30 dB (1310/1550)
Event dead zone	2.5 m; attenuation dead zone: 8 m
Sampling	from 4 cm; up to 128,000 points
Distance range	up to 260 km
Linearity	±0.03 dB/dB; reflectance accuracy ±2 dB
Distance accuracy	±1 m ± sampling ± $1 \times 10^{-5} \times \text{distance}$
Display	8.4" TFT 800×600
Memory	~1000 results internal; 2× USB, RJ-45 Ethernet
Battery	removable Li-ion; up to 11 OTDR hours (Telcordia GR-196)
Size/weight	~285×195×93 mm; ~3.4 kg
Optional	VFL 635 nm; power meter +10 to –55 dBm (850/1310/1550)
Attenuation	dead zones, up to 128,000 samples and 4 cm resolution. 8.4" color display; up to ~11 hours battery OTDR operation. Optional VFL, power meter, CW source, video inspection.

TBERD6000LLITE Specifications

PARAMETER	VALUE
Key Features	- Wavelengths: 1310/1550 nm $\pm$ 20 nm
Technical Specifications	Model: T-BERD 6000L Lite
OTDR	1310/1550 nm; 32/30 dB; 2.5 m / 8 m dead zones
Operational Notes	Prefer JDSU T-BERD/MTS 6000 LITE datasheet. Confirm installed options on unit.

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	T-BERD 6000L Lite
Manufacturer	JDSU (VIAVI)
Instrument Type	Compact SM Fiber OTDR
Alias	T-BERD 6000L; MTS-6000 LITE; T-BERD6000L

OTDR

1310/1550 nm; 32/30 dB; 2.5 m / 8 m dead zones

Operational Notes

Prefer JDSU T-BERD/MTS 6000 LITE datasheet. Confirm installed options on unit.

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.