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Data Sheet

August 8, 2026

JDSU

JDSU T-Berd 6000 SM OTDR

The JDSU T-Berd 6000 is a handheld optical time-domain reflectometer (OTDR) for testing and troubleshooting single-mode optical fiber networks. It features a dynamic range of up to 40 dB and a wavelength of 1310/1550 nm. It is used to detect and locate faults, measure fiber length, and assess optical performance.



MODEL

JDSU T-Berd 6000

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

T-Berd 6000

LISTING

<https://aumictechlabs.com/products/t-berd-6000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU T-Berd 6000 SM OTDR is a modular single-mode optical test platform engineered for fiber network installation, maintenance, and commissioning. This compact mainframe accommodates field-interchangeable OTDR modules and accepts over 40 application-specific plug-in modules, enabling standardization across diverse testing scenarios from short-haul to ultra-long-haul deployments. The platform is backward compatible with MTS-5100, T-Berd 8000, and MTS-5000 family modules, protecting capital investment while supporting technology evolution. Technical Specifications OTDR Module Performance Wavelengths: 1310 nm and 1550 nm (primary); 1383 nm, 1490 nm, 1480 nm, 1510 nm, 1625 nm, 1650 nm supported by portfolio modules Dynamic Range: Up to 40 dB at 1310/1550 nm (8126 VSRe); up to 50 dB available in UHD modules; up to 44 dB at 1550 nm in select modules Event Dead Zone: 0.8 m minimum (single-mode); 80 cm (VLR module) Spatial Resolution: 4 cm Data Acquisition: 0.1 s real-time scan speed;

up to 128,000 acquisition points per sweep Measurement Capabilities Bidirectional OTDR and optical loss testing Automatic bidirectional splice loss measurement Fault detection and precise location Fiber length measurement Attenuation profile analysis Insertion Loss and Optical Return Loss (ORL) testing Polarization Mode Dispersion (PMD) testing Chromatic Dispersion (CD) testing (OTDR-based and phase-shift methods)Key Features Single module slot with modular architecture supporting 40+ field-interchangeable modules 8.4-inch transreflective color display with optional touchscreen for field visibility Internal memory expansion to 1 GB USB and Ethernet data transfer Exceeds Telcordia drop-test and ruggedness specifications Extended battery life for extended field operationsTypical Applications Long-haul and ultra-long-haul fiber installation and certification High-speed transmission system commissioning Fiber construction and splicing verification Network maintenance and troubleshooting Bi-directional loss profiling and event analysisCompatibility & Integration Backward compatible with MTS-5100, T-Berd 8000, and MTS-5000 platform modules, enabling mixed-module configurations and future-ready test capability expansion without retraining or platform replacement.

Features & description

From manufacturer datasheet

Features

- Platform: T-BERD 6000 / MTS-6000 modular handheld
- Configuration: Single-mode (SM) OTDR
- Modular architecture: OTDR, loss test, CD/PMD, and other options
- Touchscreen GUI; automated OTDR analysis
- Storage and report generation for field results
- Connectivity: USB / Ethernet class (platform-dependent)
- Not the 6000L Lite variant

TBERD6000 Characteristics / Specifications

PARAMETER	VALUE
Model	T-BERD 6000 SM OTDR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	Modular OTDR Test Platform
Family	T-BERD / MTS-6000
Alias	T-Berd 6000 SM OTDR; T-BERD 6000; MTS-6000 Optical SM OTDR; module-dependent λ and dynamic range Operational Notes Prefer VIAVI/JDSU T-BERD 6000 platform specs plus the installed SM OTDR module datasheet for exact DR, wavelengths, and dead zones. Do not use 6000L Lite specifications.
Platform	T-BERD 6000 / MTS-6000 modular handheld
Configuration	Single-mode (SM) OTDR
Modular architecture	OTDR, loss test, CD/PMD, and other options
Connectivity	USB / Ethernet class (platform-dependent)

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 OTDR options. Dynamic range, wavelength set, and pulse widths depend on the installed SM OTDR module.

Applications

SM fiber installation and maintenance; fault location; splice/connector loss assessment; FTTx / metro / long-haul OTDR testing.

Key Features

- Platform: T-BERD 6000 / MTS-6000 modular handheld
- Configuration: Single-mode (SM) OTDR
- Modular architecture: OTDR, loss test, CD/PMD, and other options
- Touchscreen GUI; automated OTDR analysis
- Storage and report generation for field results
- Connectivity: USB / Ethernet class (platform-dependent)
- Not the 6000L Lite variant

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	T-BERD 6000 SM OTDR
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	Modular OTDR Test Platform
Family	T-BERD / MTS-6000
Alias	T-Berd 6000 SM OTDR; T-BERD 6000; MTS-6000

Optical

SM OTDR; module-dependent λ and dynamic range

Operational Notes

Prefer VIAVI/JDSU T-BERD 6000 platform specs plus the installed SM OTDR module datasheet for exact DR, wavelengths, and dead zones. Do not use 6000L Lite specifications.

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.