

JDSU

T-BERD 6000

The JDSU T-BERD 6000 is a compact, lightweight optical test platform designed for the installation and maintenance of fiber networks. It supports over 40 interchangeable application modules, including OTDR, PMD, CD, WDM, and IL/ORL, making it a highly versatile tool for field service technicians working on multimode or singlemode networks. It features a large 8.4-inch transreflective color display and an intuitive graphical interface.

SPECIFICATIONS

General

Interfaces	USB, Ethernet
Display	8.4 in transreflective TFT color display (touchscreen option)

Physical

Power Supply	Smart Lithium-ion battery
Dimensions (W×H×D)	285 x 195 x 93 mm mm
Weight	2.4 kg kg

Optical Specifications

Dynamic Range	Up to 50 dB @ 1550 nm (UHD OTDR module)
Fiber Type Support	Multimode and Singlemode (module-dependent)
Module Compatibility	Supports over 40 application modules (IL/ORL, OTDR, PMD, CD, or WDM); backwards compatible with MTS-5000 family OTDR modules and cross-compatible with T-BERD 8000

Integrated Optical Options (VFL / OPM / SLS)

Integrated Optical Options	Connection checker with VFL, power meter, Loss Test Set, and video inspection scope options
Optical Talkset Option	Built-in optical talkset option for communication along the fiber

Test Management and Analysis

Bi-directional Analysis	Automatic bi-directional analysis function for OTDR, IL, and ORL measurements
Post-Processing Software	FiberTrace (OFS-100) and FiberCable (OFS-200) PC software tools

Display and User Interface

Display Size	8.4 in (21.3 cm)
Display Type	Transreflective TFT color
User Interface	Intuitive graphical user interface with optional touchscreen

Power and Battery

Battery Type	Smart Lithium-ion cell
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Connectivity and Interfaces

External Storage Expansion	1 GB extended memory option
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Physical Characteristics

Weight (with battery)	2.4 kg (5.3 lbs)
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Environmental

Storage Temperature	-20 to +60 °C
Humidity	95% non-condensing

Storage

Internal Storage Capacity	100 MB minimum
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Compliance & Safety

Laser Safety	Class 1, Class 1M, or Class 3B (depending on module used)
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Measurement Settings

Distance Range Settings	0.1 to 400 km (module dependent)
Pulse Width Settings	3 ns to 20 μs (module dependent)
Group Refractive Index Range	1.30000 to 1.70000 (in 0.00001 steps)

Measurement Performance

Distance Accuracy	$\pm 1\text{ m} \pm 10^{-5} \times \text{distance} \pm \text{sampling resolution}$ (excluding Group Refractive Index uncertainty)
Loss Resolution	0.001 dB
Linearity	$\pm 0.03\text{ dB/dB}$
Sampling Points	Up to 128,000

System & Expansion

Module Slots	1 single-slot module bay
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TECHNOLOGY

Optical Time Domain Reflectometry (OTDR)

APPLICATIONS

Fiber Optic Network Installation, Troubleshooting, and Maintenance

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.