

T-BERD®/MTS-8000 Scalable Multitest Platform

One Solution—Expandable to more than 40 Tests



Key Benefits

- Multitest platform to accelerate deployment and maintenance of ultra-high-speed networks
- Increased scalability with more than 40 applications and hundreds of test configurations
- Stay connected wherever you are with 3G, WiFi, Bluetooth, or Ethernet
- Increased efficiency cuts test time by 70 percent
- Seamless workflow with automated test sequences and on-the-go post-processing

Key Features

- Modular test platform
- High-speed PowerPC processor with 100 GB SATA hard disk
- High-visibility touch-screen display
- Automated fiber connector inspection with IEC pass/fail analysis
- Built-in optical options including power meter, VFL, and talk set
- Compatible with T-BERD/MTS-6000 test modules

Applications

- Perform fiber physical layer characterization for high-speed CWDM/DWDM transmission networks
- Activate and commission next-generation transport and datacom services

Keep ahead of telecommunications technology curve

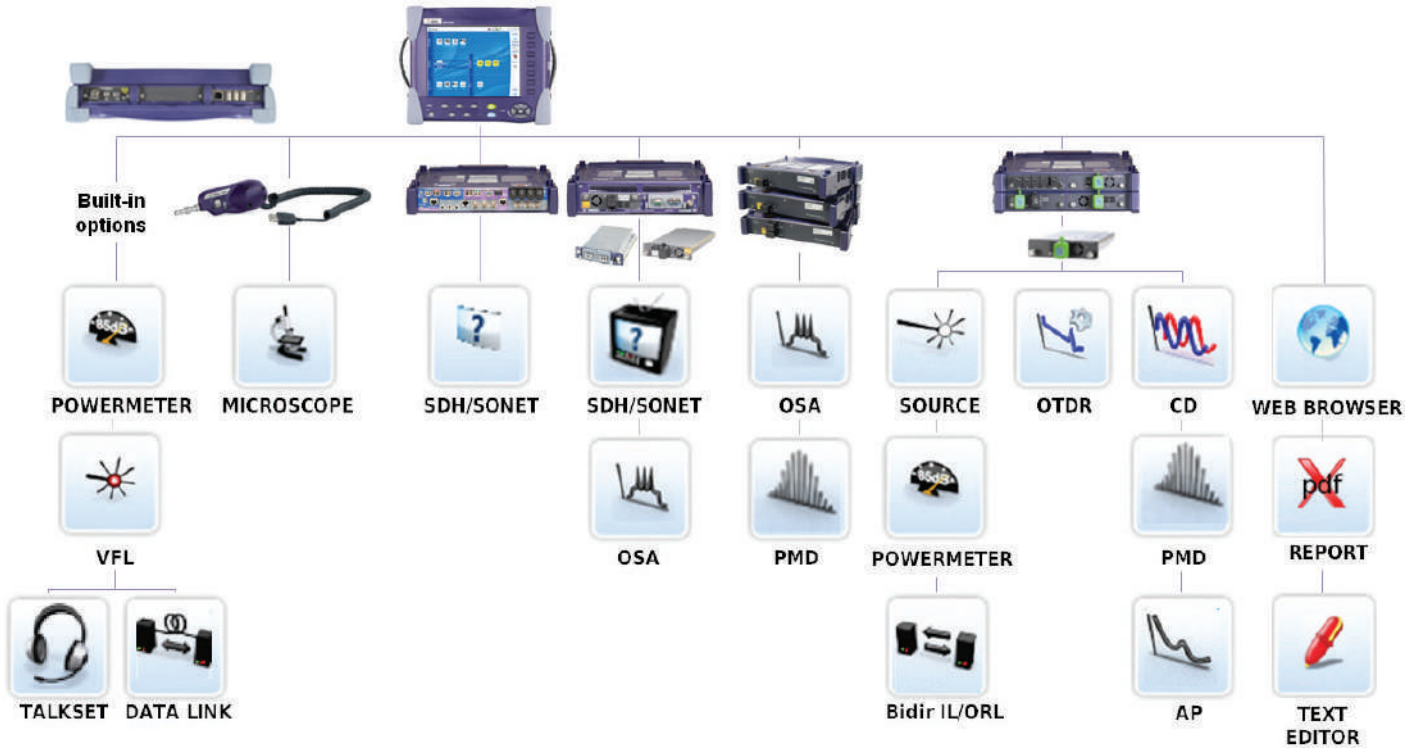
The JDSU T-BERD/MTS-8000 V2 is the industry's most innovative and versatile test solution for modern and next-generation network deployments.

Built to support current and ultra-high-speed transmission network testing needs, the T-BERD/MTS-8000 V2 embeds the latest state-of-the-art technology for those planning long-term investments and offers simply the best-in-test solution.



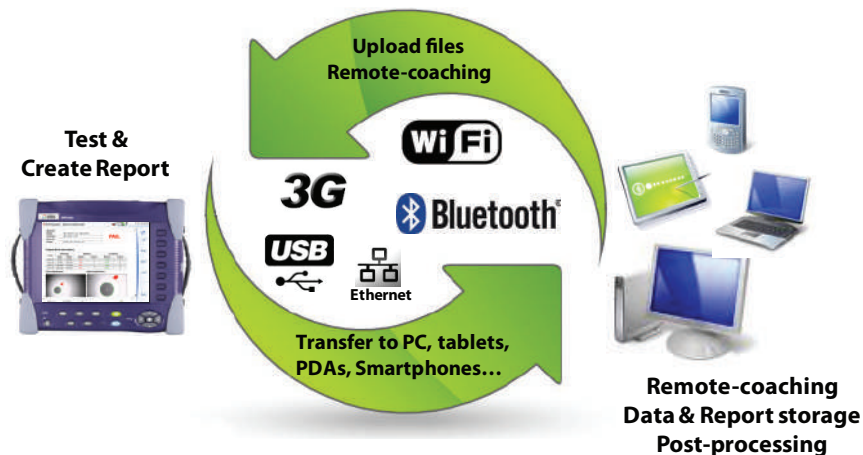
A full set of applications and utilities to optimize field-testing efficiency

The T-BERD/MTS-8000 V2 empowers technicians with an installation and maintenance platform that uniquely combines physical, optical, and transport/Ethernet testing capabilities.



Stay connected wherever you are

The T-BERD/MTS-8000 V2 integrates various communication capabilities to allow remote access from anywhere, enabling data and setup uploads/downloads, remote coaching, and report delivery.



Designed for efficiency and connectivity



- ⑥ Home page
- ⑦ File menu
- ⑧ Setup menu
- ⑨ Results page
- ⑩ Loud Speaker
- ⑪ Start/Stop
- ⑫ Script
- ⑬ Testing indicator
- ⑭ Direction and validation keys
- ⑮ Menu keys
- ⑯ WiFi option
- ⑰ Bluetooth option
- ⑱ Removable hard disk
- ⑲ AC/DC Input
- ⑳ Optical Talk set option
- ㉑ Optical power meter option
- ㉒ VFL option
- ① 10.4 inch touch screen
- ② Battery indicator
- ③ On indicator
- ④ On/Off
- ⑤ Export
- ②③ 1GE port
- ②④ Three USB 2.0 ports
- ②⑤ Mini USB 2.0 ports
- ②⑥ Headset jack

Scalable multitest platform meets network requirements

With its stackable design, the T-BERD/MTS 8000 V2 provides the most scalable advanced solution for all of your optical testing needs. It is completely field-upgradeable to address both current and future testing requirements.



Specifications

Platform specifications

| | |
|------------------------------------|---|
| Display | 10.4-inches TFT color touch screen Resolution: 800 x 600 |
| Interfaces | 3 x USB 2.0 ports 1 x mini-USB 2.0 port RJ45 LAN 10/100/1000 Mbps Built-in Bluetooth (optional) Built-in WiFi 802.11 b/g/n (optional) |
| Internal memory | 2 GB (128 MB for storage) |
| Batteries | Two rechargeable Li-ion (total of 200 W.h) |
| Power supplies | |
| Standard | AC/DC adapter, input 100–250 V, 50–60 Hz, output 24 VDC, 6.25 A max., Electrical safety: EN60950 compliant |
| High power | AC/DC adapter, input 100–250 V, 50–60 Hz, output 21 VDC, 10.5 A max., Electrical safety: EN60950 compliant |
| Size with battery pack (W x H x D) | 326 x 267 x 93 mm (12.8 x 10.5 x 3.6 in) |
| Weight with 2 batteries | 4.280 kg (9.44 lbs) |
| Temperature | |
| Operating | –20 to +50°C (–4 to 122°F) |
| Storage | –20 to +60°C (–4 to 140°F) |
| Relative humidity | 0 to 95% non condensing |

Built-in power meter¹ (optional)

| | |
|--------------------------------|--------------------------------------|
| Calibrated wavelength | 850, 1310, 1490, 1550, 1625, 1650 nm |
| Wavelength range | 800 to 1650 nm in 1 nm steps |
| Accuracy ² | ± 0.2 dB |
| Measurement range ³ | +5 to –50 dBm |
| Maximum resolution | 0.01 dB/0.01 nW |
| Connector type | Universal push/pull (UPP) |

Visual fault locator (VFL) (optional)

| | |
|---------------|---|
| Wavelength | 650 nm |
| Emission mode | CW, 1 Hz |
| Laser class | Class 2 as per standards EN60825-1 and FDA21 CFR Part 1040.10 |

Optical talk set (optional)

| | |
|---------------|-----------------|
| Dynamic range | 45 dB (typical) |
|---------------|-----------------|

1. At 25°C after 20 minutes stabilization time and after zero setting
2. At calibrated wavelength (except 1650 nm)
3. –45 dBm from 800 to 1250 nm

Ordering Information

| Part Number | Description |
|----------------------|--|
| ETB8000E/EM8000E | T-BERD/MTS-8000 V2 Scalable Multitest platform for standard use Includes 100 GB hard disk, 2 standard batteries and 150 W standard power supply |
| ETB8000EHP/EM8000EHP | T-BERD/MTS-8000 V2 Scalable Multitest platform for high-power use Includes 100 GB hard disk, 2 high-power batteries, power supply (150, 220 or 300 W to be specified) |
| ETB8000EBL/EM8000EBL | T-BERD/MTS-8000 V2 Scalable Multitest platform for a-la-carte configuration |
| E8100 | 2 plug-in receptacle for optical modules |
| C8200 | Dual-module carrier for MSAM, MSAM v2, OSA-110 modules |
| E80EPMVFL | Built-in optical power meter and VFL with 2.5 mm UPP connectors |
| E80ETS | Built-in optical talk set (adapter to be configured) |
| E80ETSPM | Built-in talk set (adapter to be configured) and optical power meter (2.5 mm UPP connector) |
| E80ETSPMVFL | Built-in talk set (adapter to be configured), optical power meter and VFL (2.5 mm UPP connectors) |
| E80EWIFIBLUE | WiFi and Bluetooth options |
| E80EWIFI | WiFi option |
| E80EBLUE | Bluetooth option |
| E80ELIION | Standard Li ion battery |
| E80ELIIONHP | High power Li ion battery |
| E80EHDISK | 100 GB SATA hard disk |
| EDFSCOPE5Ki | USB 2.0 Digital Video Scope Kit (P5000i), including 7 tips and soft case |
| E80KSTAND | Additional kickstand for multi-module configurations |
| E80LIGHTER | Cigarette lighter power adapter |
| E80SCASE2 | Soft carrying case handling the platform and a combination of modules of 12 cm/4.75 in depth |
| E80SCASE3 | Soft carrying case handling the platform and a combination of modules of 7 cm/2.5 in |
| E80HCASE1 | Hard carrying case for T-BERD/MTS-8000 platform |