

Data Sheet

# VIAVI

## T-BERD/MTS-8000 Scalable Multitest Platform

One solution that expands to more than 40 tests

### Keep ahead of the telecommunications technology curve

The VIAVI Solutions T-BERD®/MTS-8000 V2 is the 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.



#### 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 4G/5G, WiFi, Bluetooth, or Ethernet
- Seamless workflow with automated test sequences and on-the-go post-processing

#### Key Features

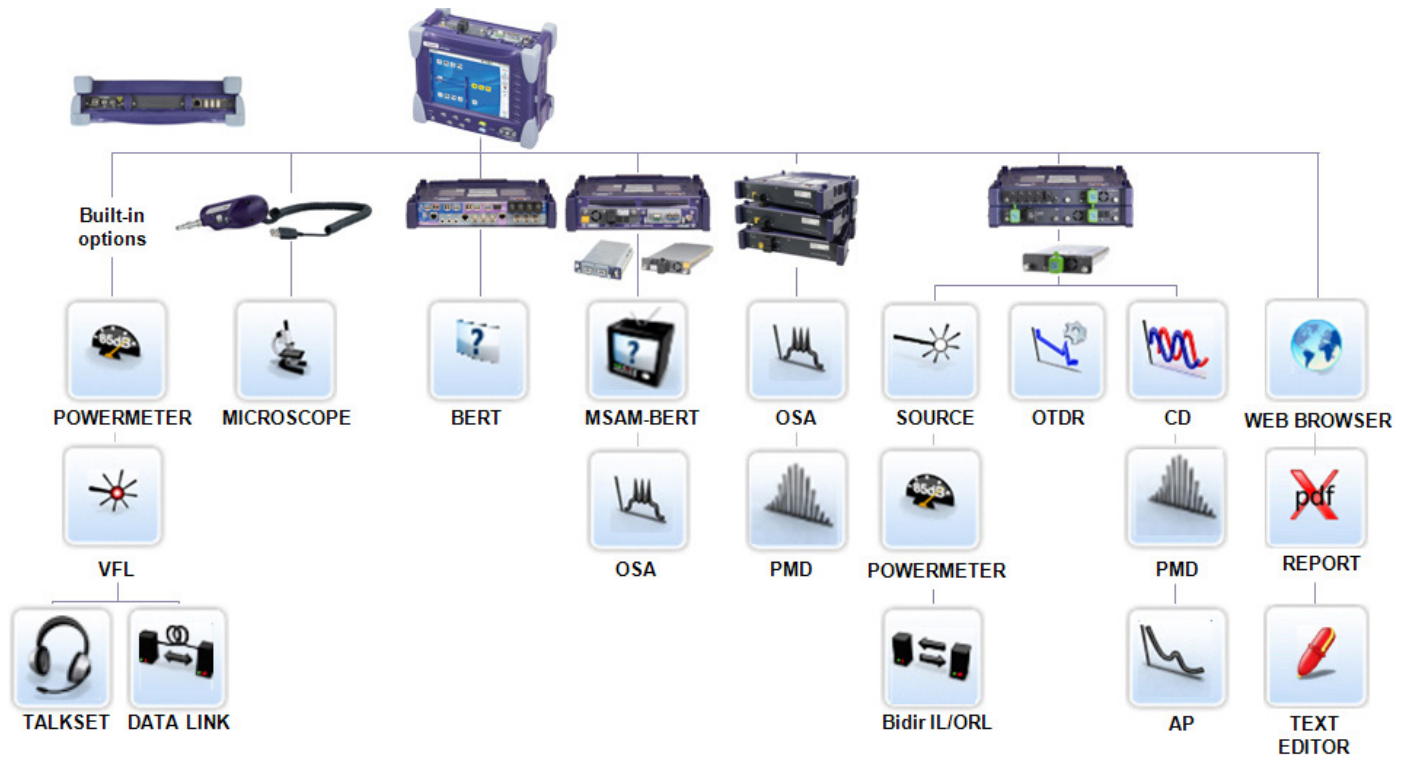
- Modular test platform
- High-speed PowerPC processor with 100 GB SATA hard disk
- High-visibility touch-screen display
- Automated fiber connector inspection with IEC pass/fail analysis
- Built-in optical options including power meter, VFL, and talk set

#### Applications

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

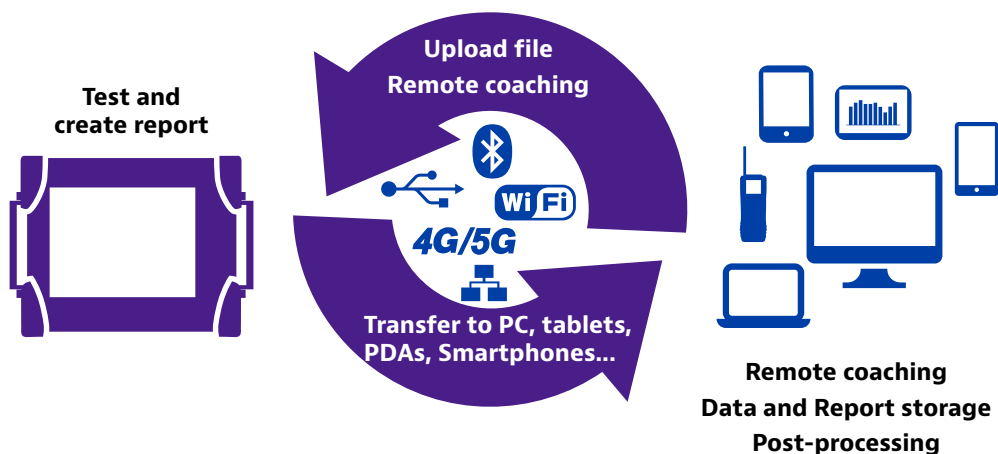
## A full set of applications and utilities optimizes field-testing efficiency

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 for remote access from anywhere, enabling data and setup uploads/downloads, remote coaching, and report delivery.



## Designed for efficiency and connectivity



## 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                                     |                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 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 meter <sup>1</sup> (optional) |                                                                                                            |
| Calibrated wavelength                        | 850, 1310, 1490, 1550, 1625, 1650 nm                                                                       |
| Wavelength range                             | 800 to 1650 nm in 1 nm steps                                                                               |
| Accuracy <sup>2</sup>                        | ± 0.2 dB                                                                                                   |
| Measurement range <sup>3</sup>               | +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

| Description                                                                                                                                                           | Part Number          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 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                       | ETB8000E/EM8000E     |
| 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) | ETB8000EHP/EM8000EHP |
| 2 plug-in receptacles for optical modules                                                                                                                             | E8100, E8100E        |
| Dual-module carrier for MSAM, MSAM v2                                                                                                                                 | C8300                |
| Built-in optical power meter and VFL with 2.5 mm UPP connectors                                                                                                       | E80EPMVFL            |
| Built-in talk set (adapter to be configured), optical power meter and VFL (2.5 mm UPP connectors)                                                                     | E80ETSPMVFL          |
| WiFi option                                                                                                                                                           | E80EWIFI             |
| Standard Li ion battery                                                                                                                                               | E80ELIION            |
| High-power Li ion battery                                                                                                                                             | E80ELIIONHP          |
| Additional kickstand for multi-module configurations                                                                                                                  | E80KSTAND            |
| Soft carrying case handling the platform and a combination of modules of 12 cm/4.75 in depth                                                                          | E80SCASE2            |
| Hard carrying case for T-BERD/MTS-8000 platform                                                                                                                       | E80HCASE1            |

## VIAVI Care Support Plans

### Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Plan availability depends on product and region. Not all plans are available for each product or in every region. To find out which VIAVI Care Support Plan options are available for this product in your region, contact your local representative or visit: [viavisolutions.com/viavicareplan](https://viavisolutions.com/viavicareplan)

### Features

\*5-year plans only

| Plan                                                                                            | Objective                          | Technical Assistance | Factory Repair | Priority Service | Self-paced Training | 5 Year Battery and Bag Coverage | Factory Calibration | Accessory Coverage | Express Loaner |
|-------------------------------------------------------------------------------------------------|------------------------------------|----------------------|----------------|------------------|---------------------|---------------------------------|---------------------|--------------------|----------------|
| <br>BronzeCare | Technician Efficiency              | Premium              | ✓              | ✓                | ✓                   |                                 |                     |                    |                |
| <br>SilverCare | Maintenance & Measurement Accuracy | Premium              | ✓              | ✓                | ✓                   | ✓*                              | ✓                   |                    |                |
| <br>MaxCare    | High Availability                  | Premium              | ✓              | ✓                | ✓                   | ✓*                              | ✓                   | ✓                  | ✓              |

**COVERTEL**  
TELECOMMUNICATIONS GROUP

#### Need local support?

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**Get quick assistance without international delays.**