

# VIAVI

## T-BERD/MTS-4000 V2

### Optical Test Platform

Modular Test Platform designed for the installation, turn-up and maintenance of fiber optic networks

Telecommunication network topologies and technologies are evolving rapidly to respond to increased bandwidth requirements. Installers and service providers must equip technicians with scalable and easy-to-use test tools that addresses a wide range of up-to-date optical test applications quickly and accurately under all field conditions.

The VIAVI T-BERD®/MTS-4000 V2 is the optical test platform engineers, technicians, installers and contractors can rely on, providing:

- An easy-to-use solution with intuitive icon-based graphical user interface (GUI) and multi-touch screen requiring minimal training
- A compact platform with field-replaceable modules covering multiple optical test functions (OTDRs, optical power and loss testing, Optical Spectrum Analyzer (OSA), etc.) that enable complete optical network qualification.
- Optimum workflow and operation within the platform or through the cloud with VIAVI StrataSync and SmartAccess Anywhere



T-BERD/MTS-4000 V2

#### Key Benefits

- Certify the fiber physical layer of FTTx/PON, access, metro and enterprise networks
- Two field-replaceable modules increase flexibility
- Smarter and faster field testing with tablet user interface
- Advanced cloud support and remote connectivity

#### Features

- Dual-modular handheld platform
- Large 9-inch high visibility touchscreen with permanent function keys
- Essential tools integrated and supported in the platform (visual fault locator, optical power meter, optical microscope and talkset)
- Flexible connectivity; Ethernet, WiFi, Bluetooth
- Smart Access Anywhere (SAA) for remote control & field tech support
- StrataSync enabled — centralized cloud based asset, configuration, test data and workflow management

#### Applications

- Fiber optic test, qualification, certification and reporting



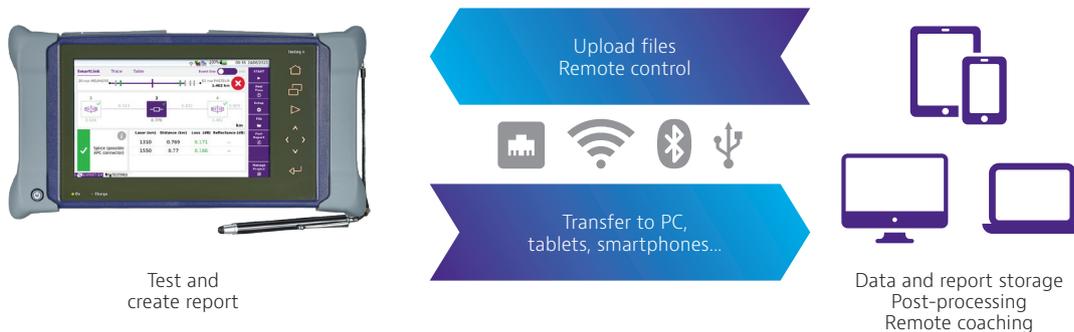
## Dual Slot Modular Platform for Maximum Scalability and Usability

The T-BERD/MTS-4000 V2 platform is a highly integrated optical test platform with two module bays, a large 9-inch color touchscreen with multi-touch capability, enabling the use of many optical test functions

It supports the range of VIAVI fiber analysis tools including OSA, OTDR, bidirectional insertion loss/ORL, light source, power meter, and connector inspection.

The dual module slot design delivers an all-in-one optical network test solution with a combination of key optical functions, for example:

- For MPO fiber qualification: integrated OTDR and MPO switch test platform
- For CWDM/DWDM network deployment: integrated CWDM/DWDM OTDRs and OSA test platform
- For full CWDM network deployment: full 18 CWDM wavelengths OTDR test platform



## Advanced connectivity, workflow and reporting capabilities

The T-BERD/MTS-4000 V2 supports advanced connectivity via wireline, wireless and the cloud. Test workflow, reporting and asset management is made easier with StrataSync while SmartAccess Anywhere (SAA) enables remote control, from a PC browser or smartphone/tablet app, for launching tests or providing support to techs on site. Instruments and techs can also talk to each other using the fiber under test or separate comms fiber via the optical module in use or talkset.

## T-BERD/MTS-4000 Dual-slot Modular Platform Overview

1 9-inch high visibility touchscreen

2 On/off button

3 On indicator

4 Charge indicator

5 Home button

6 Result/Setup/File button

7 Start/Stop

8 Direction keys

9 Validation/Enter key

10 Testing indicator

11 Two field interchangeable modules

12 AC/DC input

13 High-speed Ethernet

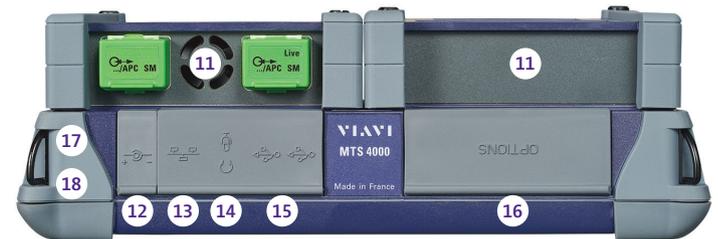
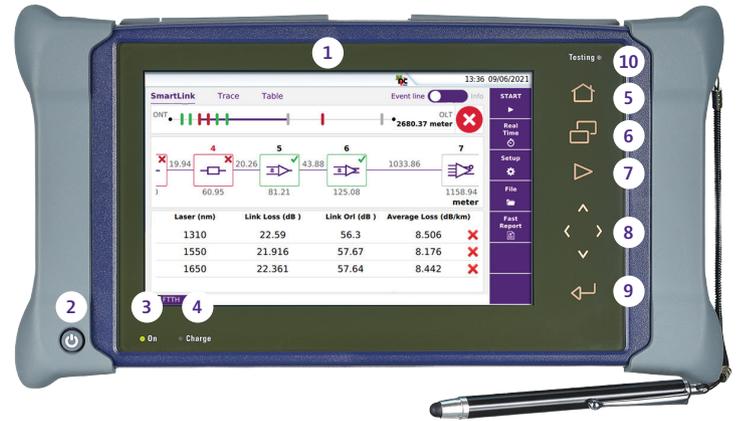
14 Headset

15 Two USB 2.0 ports

16 Options (VFL, Power Meter, Talkset, 32Gb internal memory)

17 Battery

18 Wifi/Bluetooth



## StrataSync — Empower Your Assets

StrataSync Core capabilities are included when you purchase any StrataSync-enabled instrument from VIAVI, there is nothing to buy to take advantage of these benefits. StrataSync Core includes asset and configuration management, test data management with 35 day limit, and even instrument self-management for techs via the Tech Portal. StrataSync Plus extends test data storage for up to 6 years and provides access to seasoned VIAVI StrataSync experts for assistance with setup, config, usage, reporting – just about anything that you desire.

### Specifications (typical at 25°C)

General Description	
Display 9-inch touchscreen with high visibility LCD 800x480	
Storage and I/O Interfaces	
Internal memory	Up to 32 GB with extended internal memory option
WiFi/Bluetooth	Standard IEEE 802.11 b/g and Bluetooth Class 2
Ethernet	10/100/1000 MHz
USB	2x USB 2.0 ports
Power Supply	
Battery type	Standard removable Lilon
AC/DC adapter	Input 100-250V, 50-60Hz Output 12-15 V DC/3.7A
Electrical Safety	EN 60950 Compliant
Operation time	Up to 16 hours Telcordia GR-196-CORE
Size and Weight	
Mainframe with two modules and battery (WxHxD)	282x153x97 mm (11.1x6.02x3.8 in)
Mainframe only (with battery)	1.4 kg (3 lb)
Mainframe with one module (with battery)	2.3 kg (5.1 lb)
Environmental	
Operating temperature range (no option)	-20 to +50°C (-4 to 122°F)
Operating temperature range (all options)	0 to 40°C (32 to 104°F)
Storage temperature range	-20 to +60°C (-4 to 140°F)
Humidity, non condensing	95%
EMC	EN61326-1 / FCC 47-1 Part 15

Platform Optical Interface	
Power meter	
Power level	+10 to -60 dBm
Calibrated wavelengths	850, 1310, 1550 nm ...
Connector type	Universal push/pull (UPP)
Visual Fault Locator	
Wavelength	635nm ±15 nm
Output power level	< 1mW
Laser safety	Class 2 laser
TalkSet	
Dynamic range	32 dB typical

### Ordering Information

Platform	
Part Number	Description
ETB4000HVT EM4000HVT	T-BERD/MTS-4000 V2 Platform
E40PWx	Power supply (x: E, UK, US...)
E40VFL, E40PM, E40TSPM	VFL, Optical power meter, talkset/power meter
E40WIFIBLU2	Built-in WiFi/Bluetooth
EXTMEM32GB	Extended internal memory for T-BERD/MTS-4000 V2
Accessories	
EHV-STYLUS	Stylus for Capacitive Touchscreen
ELIION9C	Additional 9 cell Li-Ion long life rechargeable battery
E40GLOVE	Wrap-around Glove soft case for 4000
EBACKPACK-CASE1	Backpack/large soft carrying case for 4000
EHCASE6	Hard case
EHCASE4X2	Hard case for two 4000 platforms

## VIAMI Care Support Plans

### Increase your productivity for up to 5 years with optional VIAMI 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 VIAMI 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
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓



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