VIAVI MTS 4000 V2

MODULAR TEST PLATFORM DESIGNED FOR THE INSTALLATION, TURN-UP AND MAINTENANCE OF FIBER OPTIC NETWORKS

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 & 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

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
- 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

DUAL SLOT MODULAR PLATFORM FOR MAXIMUM SCALABILITY AND USABILITY

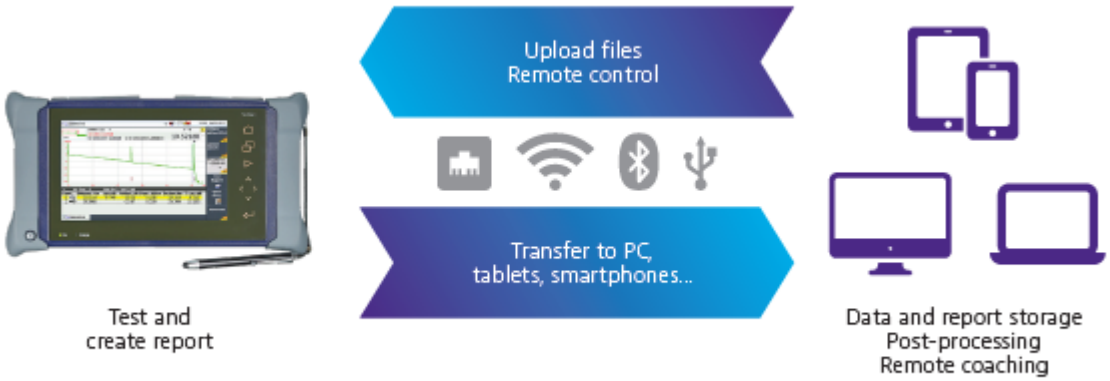
The T-BERD/MTS-4000 V2 platform is a highly integrated optical test platform with two module bays, a large 9-inch color touchscreen with multi-touch capability, enabling the use of many optical test functions. It supports the range of VIAVI fiber analysis tools including OSA, OTDR, bidirectional insertion 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.



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 interchangeable module fields
12 AC/DC input
13 High-speed Ethernet
14 Headset
15 Two USB 2.0 ports
16 Optical (VLF, Power meter, Talkset)
17 Battery
18 Wifi/Bluetooth

StrataSync™
ENABLED

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	1 Gb
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 LiIon
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
PLAFORM OPTICAL INTERFACE	
POWER METER	
Power level	+10 to -60 dBm
Calibrated wavelengths	850, 1310, 1550nm ...
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

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
ACCESSORIES	
ELIION6C	Additional 6 cell Li-Ion standard rechargeable battery
ELIION9C	Additional 9 cell Li-Ion long life rechargeable battery
E40GLOVE	Wrap-around Glove soft case for 4000
E40SCASE1	Large soft case for 4000
EHCASE6	Hard case
EHCASE4X2	Hard case for two 4000 platforms

MOST COMMON MODULES

PART NUMBER	WAVELENGTH	RMS DYNAMIC RANGE	APPLICATION
E4123MM	850 ±30 nm 1300 ±30 nm	26 dB 24 dB	Multimode Testing
E4146QUAD	850 ±30 nm 1300 ±30 nm 1310 ±20 nm 1550 ±20 nm	26 dB 24 dB 37 dB 35 dB	Multi- and Singlemode-testing for short and middle distance
E4126LA	1310 ±20 nm 1550 ±20 nm	35 dB 33 dB	Testing of short distances and FTTH connections
E4136MA	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm	40 dB 38 dB 37 dB	Testing of short and middle distances, Wireless Fronthaul/Backhaul
E4126MA2-PC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm	40 dB 40 dB 38 dB	Testing of short and middle distances, Wireless Fronthaul/Backhaul
E4126MA2-APC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm	40 dB 40 dB 38 dB	Testing of short and middle distances, Wireless-Fronthaul/Backhaul
E4126MA3-PC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm 1650 +10/-5 nm	43 dB 41 dB 41 dB 41 dB	Testing of short/middle/long distances as well as FTTH-Test with 1x128 Splitter
E4126MA3-APC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm 1650 +10/-5 nm	43 dB 41 dB 41 dB 41 dB	Testing of short/middle/long distances as well as FTTH-Test up to 1x128 Splitter
E4136MP2-PC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm 1650 ±10 nm	46 dB 45 dB 44 dB 42 dB	Testing of long haul/very long haul distances, FTTH-Test up to 1x256 Splitter
E4136MP2-APC	1310 ±20 nm 1550 ±20 nm 1625 ±10 nm 1650 ±10 nm	46 dB 45 dB 44 dB 42 dB	Testing of long haul/very long haul distances, FTTH-Test up to 1x256 Splitter