



T-BERD®/MTS-8000 Scalable Multitest Platform



The Viavi Solutions® T-BERD/MTS-8000 V2 platform is the industry's most innovative and versatile test solution for modern and future high-speed transmission network deployments.

It empowers technicians with a unique installation and maintenance test platform that combines physical, optical, and transport/Ethernet testing capabilities. Built to support both current and future network-testing needs, the T-BERD/MTS-8000 V2 includes state-of-the-art technology for those planning long-term investments.



T-BERD/MTS family

The T-BERD/MTS-8000 V2 is part of the T-BERD/MTS family of test platforms that focus on the entire service life cycle, from installation to troubleshooting and maintenance. For decades, the T-BERD/MTS product line has built a solid and trusted worldwide reputation based on cutting-edge design and performance.

Key Benefits

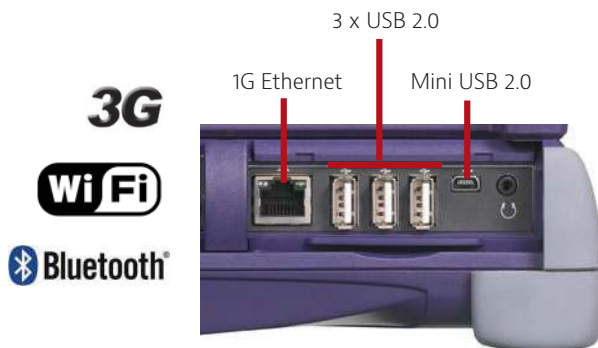
- Future-ready to keep ahead of the technology curve
 - Applications from traditional fiber and BERT testing to advanced high-speed ROADM testing and 40/100 G service activation, maintenance, and troubleshooting
 - Connects everywhere from anywhere: 3G, WiFi, Bluetooth, USB, and Ethernet
- Scales with your network
 - Supports over 40 applications and hundreds of test configurations to meet your exact needs
 - Unmatched modularity: mix-and-match any test combinations
- Cuts down testing and post-processing time
 - Boosted processing power for faster turn-up, set-up, testing, and reporting
 - Automated test sequences and scripting to dramatically speed link characterization and 10 G turn-up

Applications

- All-in-one testing solution covers the installation, maintenance, and troubleshooting needs of any optical network
- The single platform for multiple layers and multiple protocols handles:
 - Optical connector inspection and full-fiber characterization with OTDR, IL, ORL, CD, PMD, and AP
 - WDM/ROADM with in-band OSA and in-service PMD
 - Ethernet 10 M – 100 GE and layer 1-4
 - Fibre Channel 1/2/4/8/10 G
 - Common public radio interface (CPRI)
 - TDM/PDH/SDH/SONET 1.5 M-10 G
 - OTN (2.7G-112G)
 - J-Complete, an exclusive suite of automated test tools from Viavi

Stay Connected Longer

- Wireless connectivity with Bluetooth, WiFi, and 3G technologies for remote access: enable configuration, software updates, remote coaching, and results downloads from anywhere
- Web browser to stay connected



Future-Ready with a Modern Design

- Latest Lilon battery technology for longer battery life and autonomy in the field
- 100 GB SATA hard disk stores thousands of reports
- Large 10.4" high-visibility touchscreen for use with both indoor and outdoor lighting conditions



Scales with Your Network

One platform, many modules: covers all your applications

- Unlimited modularity to scale the T-BERD/MTS-8000 V2 as your test needs expand
- No module swapping
- Add test modules in the field with no special tools

Configure the scope of tests that fit your organization's needs

- DWDM network turn-up with OSA and multiservice test combo
- High-speed link troubleshooting with OTDR and multiservice test combo
- Service turn-up with up to 12 x 10 G ports
- Full fiber characterization with OTDR, IL, ORL, CD, PMD, and AP

Modularity in testing, modularity in utility tools

- Optional 3G, WiFi, and Bluetooth connectivity
- Swap hard disks in the field for more storage



Lifetime Connector Performance

- Eliminates guesswork with on-board connector inspection and pass/fail analysis
- Certifies compliance to industry IEC standards and specifications

Dispersion

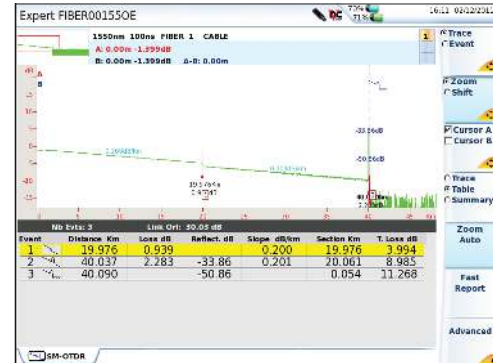
- Qualify your network's suitability for high-speed transmission with a combined CD, PMD, and AP test module compatible with all types of networks

WDM/ROADM

- Protect your investments with OSA modules supporting all CWDM and DWDM applications including 40/100 G testing and new modulation formats
- Measure true OSNR in ROADM and 40 G networks with tight channel spacing
- Reduce cost and minimize downtime with an in-service PMD solution that enables OSNR and PMD measurement on live systems without turning any signal off

OTDR, Loss, and Return Loss

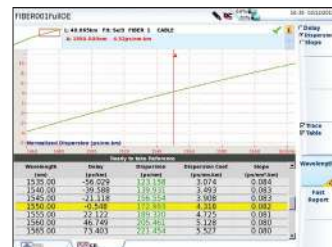
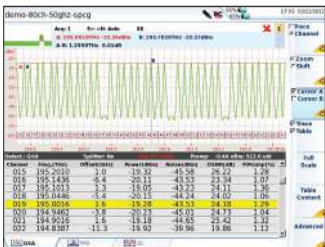
- Choose the right OTDR solution to test ultra-long hauls, metro, CWDM, access, and FTTH/PON networks
- Configure the number of wavelengths that best fit your test needs
- Combine multiple-wavelength OTDR to turn-up CWDM networks
- Add the datalink function to perform fully automated bidirectional OTDR acquisitions
- Choose the all-in-one solution for automatic bidirectional IL, ORL, and OTDR tests from a single connector port



Full fiber characterization — qualify your link for current and future applications

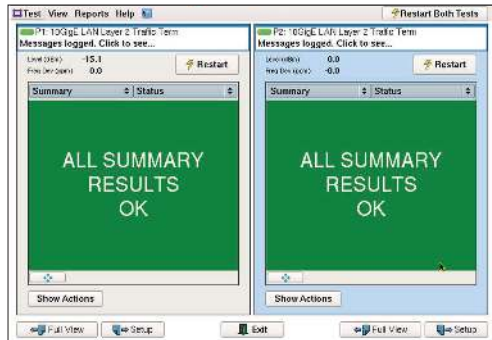
- Highest levels of integration with the smallest/lightest fiber-characterization test set on the market (includes up to seven fiber tests)
- Increased productivity with automated, onboard fiber characterization test sequences and switching: perform tests in a quarter of the time required by existing methods

Filter #	Distance	T Loss 15	ORL 15	Ang. B 15	Ang. B 15	PMD	CD 1500	Status
0	25.02 km	6.411	-28.8	-0.82	-7.31	0.190	116.009	✓
1	25.09 km	6.411	-28.8	-0.82	-7.31	0.290	116.152	✓



Multiservice Application Testing

- One tool tests all services in your network including Ethernet, Fiber Channel, CPRI, TDM/PDH/SDH/SONET, and OTN
- Provides an industry-leading multiport 10 G modular platform for network field installation, and advanced troubleshooting
- Guarantees end-customer satisfaction with deep application layer testing for data (TrueSpeed™ per RFC 6349), voice (VoIP), and video (IPTV)
- Promotes efficient service and network management with integrated installation tools and advanced troubleshooting analysis in a single test instrument
- Reduces installation and troubleshooting times with automated J-Complete test tools that follow best practices and provide repeatable methods and procedures with easy-to-understand results



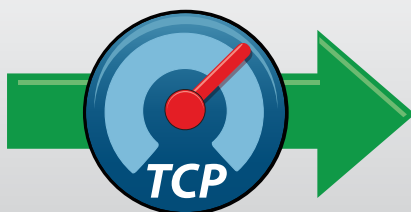
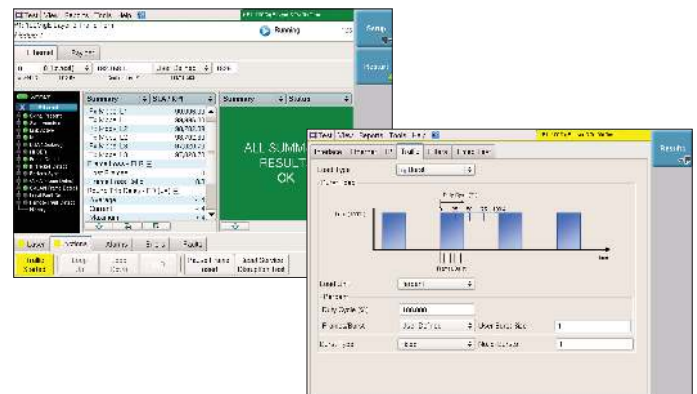
40/100 GE Transport

Be ready for the latest carrier-Ethernet applications

- Supports both 40 and 100 GE tests
- Provides OTU3 and OTU4 and a 100 GE client in OTU4
- Supports 10 concurrent Ethernet data streams for service testing
- Integrated RFC 2544 test suite and reporting
- IPv4, IPv6, ARP, ping, and trace-route testing for router applications

Protect your investment

- Reduces OpEx by supporting both CFP and QSFP+ optics
- Supports field expansion with customized modules and software options



TrueSpeed™
RFC 6349-based TCP throughput testing

The TrueSpeed option— experience your network like your customers do

TrueSpeed is the industry's first RFC 6349-based TCP test. A service provider can run a TCP test in 3 minutes during the same truck roll with the same skill-level technician. This helps ensure end-customer satisfaction before a service is activated and prevents customer churn. It also avoids future troubleshooting truck rolls and solves the bandwidth-discrepancy mystery by applying industry best practices per RFC 6349.



Contact Us

+44 (0)1604 434 186

www.briticom.net

sales@briticom.net

© 2016 Viavi Solutions Inc.
Product specifications and descriptions in this document are subject to change without notice.
8000v2-pb-tfs-tm-ae
30173078 902 1112

viavisolutions.com