

Product Brief

VIAVI

T-BERD/MTS-2000, -4000 V2, -5800

Install, Turn Up, and Troubleshoot Single-Mode and Multimode Fiber Networks with VIAVI Quad and Multimode OTDR Solutions

The Industry's first fiber-optic test platform to offer Tier-2 OTDR and connector certification of multimode and single-mode premises networks using a single instrument

Network certification is an important testing phase that enterprise installers and contractors require to validate the quality of installed cables. It is used to compare the parameters of tested fiber against industry standards such as ISO/IEC-11801 and TIA-568-C. The standards provide two tiers of fiber network certification:

Basic Tier-1 consists of fiber-optic insertion loss (IL), length, and polarity measurements.

Tier-2 certification consists of performing an OTDR trace of each fiber link.

The VIAVI Quad and Multimode OTDR modules for T-BERD®/MTS-2000, 4000 V2, 5800 platforms with the P5000i digital analysis microscope are the industry's first solutions to enable complete Tier-2 certification of premises networks from a single test platform in accordance with the latest TIA-568-C and ISO/IEC 11801 standards. Its ability to provide pass/fail connector certification and Tier-2 OTDR certification of multimode or single-mode links in a single, compact, easy-to-use platform is what differentiates it from other market solutions.



Key Benefits

- Provides the best performance/price ratio OTDR on the market for complete Tier-2 certification of premises fiber-optic networks
- Maximizes your investment with the single-mode/multimode OTDR version (Quad) with an integrated light source and power meter on OTDR ports
- Eliminates OTDR interpretation errors with Smart Link Mapper (SLM) without compromising on test time
- Enables accurate measurements of short and very-short distances
- Lets you certify compliance to industry standards with TIA/IEC pass/fail thresholds or customer specifications
- Easily generates certification reports on site

Key Features

- Optimized for 10 MB to 40 GE testing
- 26/24 dB multimode and 37/35 dB single-mode dynamic range
- Dead zones: <1 m for EDZ and 4 m for ADZ
- Integrated CW light source and broadband power meter
- All-in-one tool includes these standard features: macrobends detection, front connection check/measurement, and PDF reporting
- TIA-568-C and ISO/IEC-11801 pass/fail thresholds
- Fiber end-face inspection with IEC-61300-3-35 pass/fail analysis on T-BERD/MTS platforms
- IEC 61280-4-1/encircled-flux compliant using an external mode conditioner

Test, Analyze, and Create Certification Reports with One Device

VIAVI T-BERD/MTS handheld modular platforms are ideal field testers that let users inspect fiber connectors as well as test and certify any fiber connector and fiber link according to international standards. They can instantly generate comprehensive pass/fail summary reports on site with the onboard Fast Report function.



OTDR Trace View

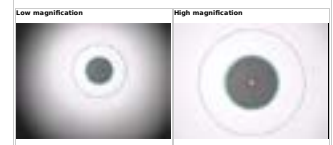


SLM Map View



JDSU				
Operator	AVISON			PASS
Probe	F8P-P5000 serial 2081992775			
Test date	12/03/2012 15:53			
Fiber ID				
Profile	SM UPC (IEC-61300-3-35)			

Inspection summary					
Zone	Diameter	Defects	Count	Scratches	Count
Zone_A	0.000	25.000	PASS	0	PASS 0
Zone_B	25.000	120.000	PASS	3	PASS 0
Zone_C	120.000	120.000	PASS	0	PASS 0
Zone_D	130.000	250.000	PASS	0	PASS 0



P5000i Digital Analysis Microscope

T-BERD/MTS-2000



One-slot handheld modular platform for single-mode/multimode fiber testing

T-BERD/MTS-4000 V2



Two-slot handheld modular platform for single-mode/multimode fiber testing and enterprise IT network testing

T-BERD/MTS-5800



T-BERD/MTS-5800 handheld test instrument for testing 10/40G Ethernet and fiber networks

OTDR Modules



Quad (single-mode and multimode) and multimode OTDR modules for T-BERD/MTS-2000, 4000 V2, 5800

For complete TIA-568 and ISO/IEC-11801 copper certification and Tier-1 fiber certification, combine the T-BERD/MTS platforms with the VIAVI Certifier40G.

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