Test and Maintenance Solutions for Enterprise and Data Center Operators

$\lambda 1 \gamma \lambda 1$ **VIAVI Solutions**

Copper Testing





Certifier40G

Fiber Certification



OLTS-85P



Certifier40G



T-BERD/MTS-2000





T-BERD/MTS-6000A

MPOLx







P5000i

FiberChek Sidewinder

Essential Fiber Tools

Certifier10G

T-BERD/MTS 4000 V2 with MPO Switch

StrataSync™ ENABLED

Data Center Interconnect (Layers 1-4)







T-BERD/MTS-4000 V2

T-BERD/MTS-8000



T-BERD/MTS-5800 100G

Network and Application Monitoring



SmartOTU



Observer Platform*

Network Testing (Layers 2 to 4)





T-BERD/MTS-5800

5800-100G



Test and Maintenance Solutions for Enterprise and Data Center Operators

Copper Testing

Feature	Certifier10G	Certifier40G
Up to Category 6A/Class EA channel and link certification		
Up to Category 7A/Class FA channel and link certification		
Up to Category 8 channel and link certification		
Patch cord certification	•	•
Coax certification		
Test result management and reporting	•	

Essential Fiber Tools

			FiberChek
Feature	P5000i	FiberChek	Sidewinder
Dual magnification inspection of fiber end faces	•	•	•
Automatic focus		•	
Pass/fail analysis to industry standards or custom requirements	•	•	•
Compatible with mobile devices	•	•	•
Fully Automated		•	•
On-board storage		•	
Integrated touch-screen display		•	•
Test result reporting			•
Wireless operation		•	•
MPO pass/fail analysis	1 test = 1 fiber	1 test = 1 fiber	1 test = All fibers

Feature	PowerChek
Broadband optical power measurement	•
Absolute and reference- level measurement	•
On-board results storage	•
Optical source	
Integrated display	•
In-bulkhead, non-contact test	•
Test result reporting	•

Data Center Interconnect (Layers 1 to 4)

	T-BERD/MTS-	T-BERD/MTS-	T-BERD/	T-BERD/
Feature	4000 V2	5800 100G	MTS-6000A	MTS-8000
OTDR	•	•		
Optical Spectrum Analysis (OSA)	•			
In-band Optical Signal to Noise Ratio (OSNR)	•		•	•
In-band & In-Service OSNR				
CWDM/DWDM	•			
Fiber Characterization (CD, PMD, AP)				
100G bandwidth testing		•		
Dual port		•		

Fiber Certification

Feature	OLTS-85P	MPOLx	Certifier 40G	T-BERD/ MTS-2000	T-BERD/ MTS-4000 v2	T-BERD/ MTS-5800	T-BERD/MTS- 5800-100G	T-BERD/ MTS-6000A
Fiber end-face inspection (with P5000i)	OLI 3-63P	IVIPOLX	400	IVI13-2000	VZ	IVI 13-3600	3800-1000	W113-6000A
riber end-race inspection (with r-5000i)	-	-	-	•	-	•	•	-
Dedicated fiber patch cord microscope	•	•						
Tier 1 fiber certification			•					
Encircled flux compliant sources	•	•	•					•
Copper certification			•					
Fiber MPO loss/polarity		•	•					
Tier 2 fiber certification (OTDR)							•	•
Test result management and reporting			•		•		•	•
Fiber MPO Characterization & Troubleshooting (OTDR)				•	•	•	•	•
External MPO Switch				•	•			•
Internal/Integrated MPO switch					•			
Automated bi-directional IL, ORL & OTDR				•	•			

Network and Application Monitoring

Feature	Observer Platform	SmartOTU
Global dashboards and reporting	•	
Workflows to root cause	•	
Transaction to device health correlation	•	
Layers 2 to 7 visibility	•	
Packet analysis	•	
Back-in-time troubleshooting	•	
Hybrid IT infrastructure intelligence	•	
Infrastructure and application dependency mapping	•	
Web-enabled software interface		•
Highest fiber fault accuracy with Industry's leading OTDR series		•
Highly integrated 2RU unit with no local PC required		•
Modular OTDR and switch design		_
for multiple applications		•
Email, SMS and SNMP alert messages		•
Fiber degradation notification		•
Fiber tapping detection (data security)		•
SLA management		•
Accurate fault location		

Network Testing

	TBERD/MTS	TBERD/MTS
Feature	5800	5800-100G
RFC 2544, Y.1564, RFC 6349	•	•
Ethernet line rate capture/decode	•	•
AOC/DAC testing		•
Optical Transceiver Test		
OTN		•
CWDM/DWDM		•
DP-16QAM		•
Encrypted network testing		•
1G bandwidth testing	•	
10G bandwidth testing		•
25G bandwidth testing		•
100G bandwidth testing		
100G bandwidth testing		



