

## Fiber Layer Testers



**SmartClass™ Handhelds**  
Optical Power, Insertion Loss, Return Loss, Talk Set, Variable Attenuator, Tunable Laser



**SmartPocket™ Handhelds**  
Power, Insertion Loss



**FiberChek2™ & P5000**  
Connector Inspection



**HP3-60**  
**Integrated Inspection & Test**  
Inspection, Power, Insertion Loss



**T-BERD® 8000**  
**Modular Test Platform**  
Optical Spectrum Analysis  
DWDM, ROADM, CWDM, Fiber Inspection



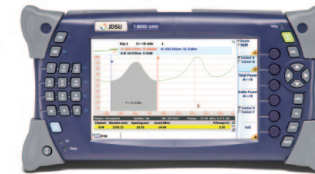
**T-BERD® 8000**  
**Modular Test Platform**  
OTDR, IL, ORL, PMD, CD, AP, CWDM OTDR, Link Characterization<sup>1</sup>, Inspection



**T-BERD® 4000**  
**Test Platform**  
OTDR, PON Power Meter, Inspection



**T-BERD® 6000**  
**Modular Test Platform**  
OTDR, PMD, CD, AP, CWDM, Inspection, Network Characterization



**T-BERD® 4000**  
**Multi-Services Platform**  
CWDM, Inspection



**Optical Channel Checkers**  
CWDM, DWDM

## Transport Layer Testers



**T-BERD® 8000**  
**Modular Test Platform**  
Transport DS1 to 40G



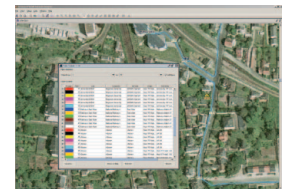
**T-BERD® 6000A**  
**Modular Test Platform**  
MSAM, GigE to 10 GigE/ SONET



**HST-3000**  
Ethernet Service



**SmartClass Ethernet**  
10M-1G Ethernet



**ONMS Optical Network Management System**  
**Fiber Network Monitoring & Optical Fiber Mapping**  
Monitoring, Alarming & Dispatch; GIS-based Fiber Network Documentation, Fault Mapping

## Service Assurance Layer Test Solutions

## Fiber Layer

Tests to Perform	Tool Category	Connector Inspection Tools	T-BERD 8000	T-BERD 6000	T-BERD 4000	SmartClass Meters	SmartPocket Meters
Evaluate Connector End Face Quality	Connector Inspection	■	■	■	■		
Verify Link Length	OTDR		■	■	■		
Evaluate Fiber, Connector & Splice Loss, Connector Reflectance	OTDR		■	■	■		
Measure Power Levels	BB Power Meter	■ <sup>1</sup>	■	■	■	■	■
Measure Link Loss	OTDR, Loss Test Set	■ <sup>1</sup>	■	■	■	■	■
Measure Optical Return Loss	OTDR, ORL Meter		■	■	■	■	
Link Characterization (OTDR/IL/ORL/CD/PMD/AP)	FC Tester		■	■			
Network Characterization	Dispersion Tester		■	■			

## Optical Signal Layer

Tests to Perform	Tool Category	T-BERD-8000	T-BERD-4000	SmartClass Meters
DWDM Spectral Analysis (Power & Wavelength per Channel, Drift, OSNR)	DWDM OSA	■		
Advanced DWDM Spectral Analysis (Above + ROADM In-band OSNR, Overlapping Spectral Analysis)	DWDM In-Band OSA	■		
CWDM Spectral Analysis	CWDM OSA	■	■	
Channel Verification & Power	Channel Checker	■	■	■

## Transport Layer

Tests to Perform	Tool Category	T-BERD-8000	T-BERD-6000A	HST-3000	SmartClass Ethernet
STS-1 – OC-192	Layer 1/2/3	■	■		
10 Mbps – 1 GigE	Layer 1/2/3	■	■	■	■
10 GigE	Layer 1/2/3	■	■		
40 G	Layer 1/2/3	■	■		
T1 / T3	Layer 1/3	■	■	■	
Jitter / Wander	Layer 1	■			

## Service Assurance

Tests to Perform	Tool Category	ONMS Optical Network Monitoring	Optical Network Mapping
Monitor the fiber network, alarm, and dispatch repair	Network Probe	■	
Added Software to ONMS system to provide GIS-based documentation & fault location mapping	GIS Mapping	■	■

<sup>1</sup> Fiber characterization services available



# Middle Mile Network Test Solutions

[www.jdsu.com/test](http://www.jdsu.com/test)