

MTS-8000 Portable Optical Network Tester

All your optical network testing needs covered in a single platform

The power of one, performing the work of many

A powerful unit

- Flexible scalable platform
- Industry-leading size and weight, e.g. platform + transport module < 7 kg
- Interchangeable modules
- Generates test results in seconds
- Fully automatic testing
- Combination of several tests
- Remotely controlled (via Ethernet, Fiber)

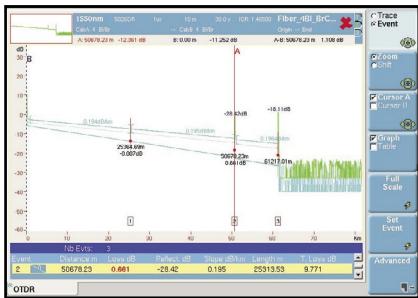


Fiber Characterization Testing

- Optical Time Domain Reflectometer (OTDR)
- Chromatic Dispersion (CD)
- Polarization Mode Dispersion (PMD)
- Attenuation Profile (AP)
- Loss testing

OTDR Module

- More than 20 OTDR modules
- Combined wavelengths MM: 850/1300 SM: 1310/1383/1550/1625 nm
- Dynamic range 30 dB up to 50 dB



Pass/Fail OTDR analysis

Transport Module

- All in one module for
 - Full PDH/T-Carrier & SDH/SONET testing up to 10 Gb/s
 - Ethernet testing 10/100/1GigE/10GigE LAN & WAN up to the IP layer

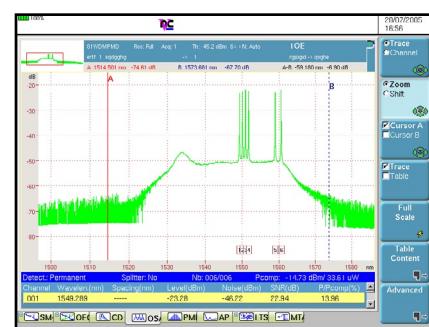


Dispersion Modules

- PMD – Polarization Mode Dispersion
- CD – Chromatic Dispersion

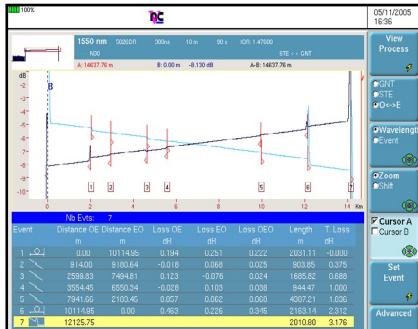
CWDM/DWDM Testing

- OSA with frequency range from 1250 nm to 1650 nm
- DWDM parameters OSNR, optical channel power, wavelength deviation
- Application for EDFA and DFB testing
- Channel isolation for BER analysis
- Single or dual port analyzer



Amplified DWDM system analysis

Fiber Characterization



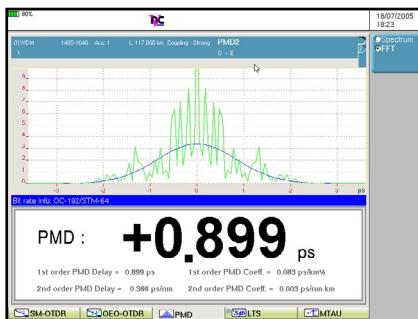
PC software solution for report generation

OFS-100 Results Analysis

- OTDR, CD, PMD, AP, and OSA results analysis
- Batch processing capability via automation process
- Pass/Fail function
- Customized printouts

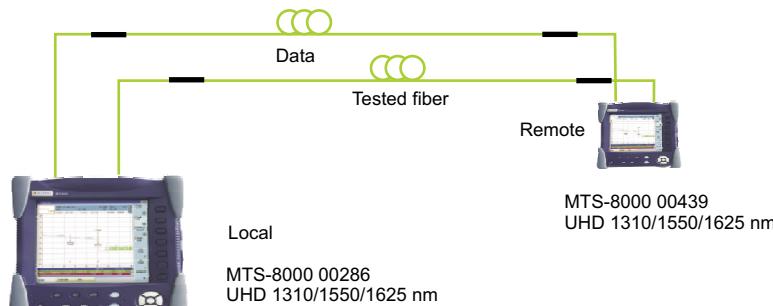
OFS-200 FiberCable Acceptance Report Generation

- Complete fiber characterization reporting capability including bi-directional OTDR, CD, PMD, AP, IL and ORL results
- Advanced OTDR evaluation for loop back and mid-point management
- Powerful report preview
- Direct access keys for easy process and efficiency



Automatic bi-directional measurement function

- Automate the acquisition process
- Check fiber continuity
- File transfer through the fiber
- True splice loss with both end analysis
- Optical talkset option needed



Physical Fiber Testing

Key features OTDR

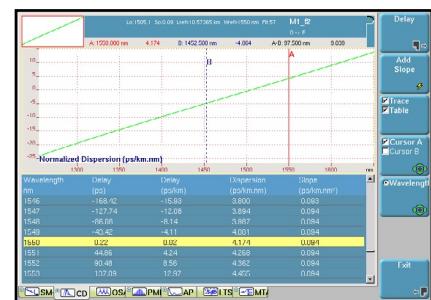
- Fast data acquisition enables VHD plug-in to reach 40 dB after 10 s with a maximum performance up to 45 dB
- Highest dynamic range with 50 dB at 1550 nm, UHD module
- New VLR module with outstanding dead zone of 0.8 m EDZ and 4 m ADZ, 43 dB dynamic
- Fastest scan speed at 0.1 s in real-time mode
- Up to 128000 acquisition points with sampling resolution down to 4 cm

Built-in Optical Talkset

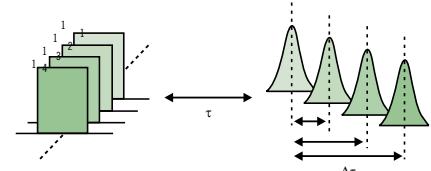
- Data transfer capability: file exchange or remote control
- Used also for fully automatic bi-directional measurements
- OTS-55 handheld for far end communication

CD Module

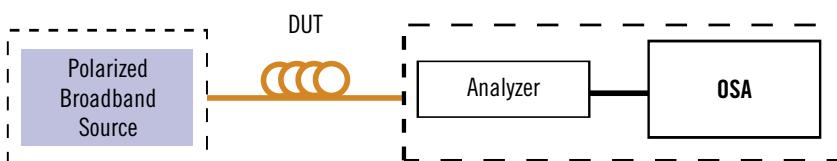
- Pulse delay method complies with TIA/EIA FOTP-168
- Fast single-end measurement with sectional analysis capability
- CD analyzer and four-wavelength OTDR (1310/1480/1550/1625 nm) with one module



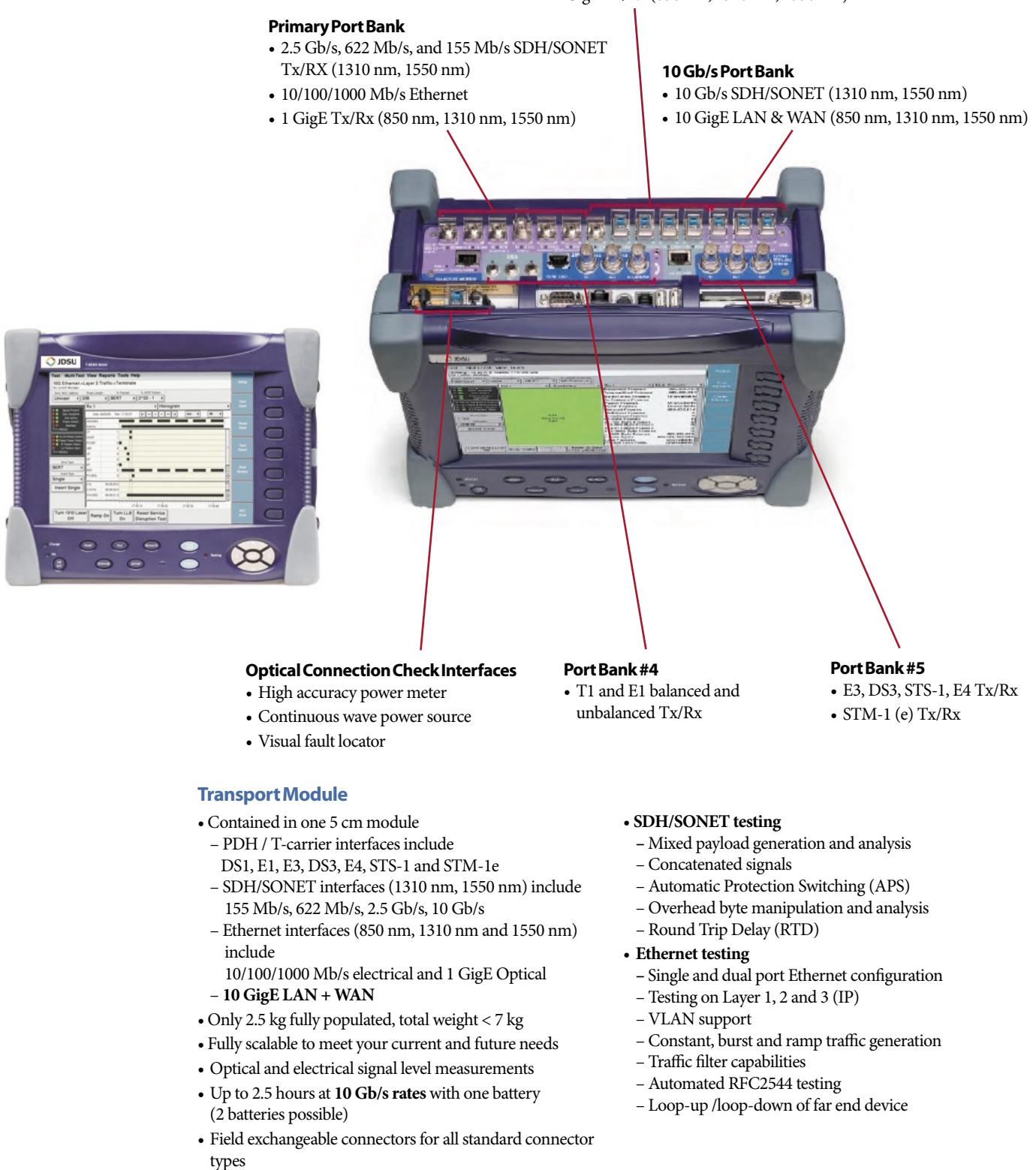
Single menu for chromatic dispersion trace and table display



Pulse delay method complies with TIA/EIA FOTP-168

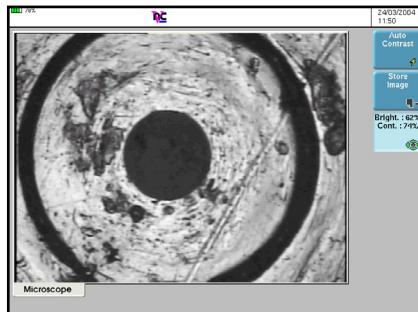


Transport Configuration



Connector Inspection Scope

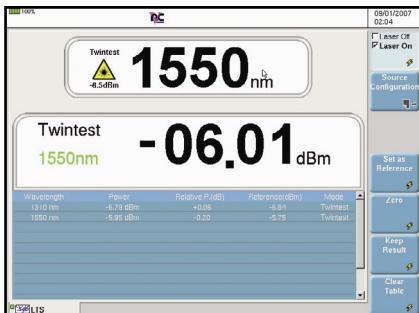
- Fiber Connector Inspection Connectors
- Patch panel inspection
- 250 or 400 magnification
- Uses MTS-8000 large screen (10.4")
- Comparison with 3 other images on the same screen



EFSCOPE250, EFSCOPE400: Optical video inspection probe

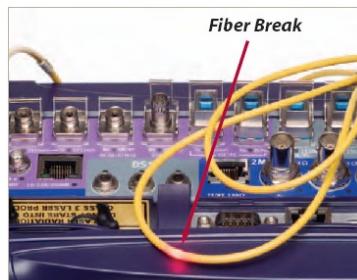
Insertion Loss Measurements

- Power meter integrated in MTS-8000 mainframe
- Multi-wavelength laser source with CW or modulated signals
- Easy loss measurements of a jumper or patch cord



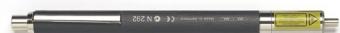
Built-in 635 nm Visual Fault Locator

- Universal push/pull for all 2.5/1.25 mm connector types



Alternatively

OVF-1 ball pen-sized separate visual fault locator



OTS-55 SMART Optical Talkset

- > 45 dB dynamic range
- Wavelength of operation: 1550 nm



Accessories



E80HCase5: Hard carrying case for single module configuration



E80SCase3: Soft carrying case for single module platform



E80keyB: USB keyboard

Test & Measurement Regional Sales

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its applications. JDSU reserves the right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein. JDSU makes no representations that the products herein are free from any intellectual property claims of others. Please contact JDSU for more information. JDSU and the JDSU logo are trademarks of JDS Uniphase Corporation. Other trademarks are the property of their respective holders. © 2006 JDS Uniphase Corporation. All rights reserved.

NORTH AMERICA TOLL FREE: 1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL:+55 11 5503 3800 FAX:+55 11 5505 1598	ASIA PACIFIC TEL:+852 2892 0990 FAX:+852 2892 0770	EMEA TEL:+49 7121 86 2222 FAX:+49 7121 86 1222	WEBSITE: www.jdsu.com/fiberoptictest
---	--	---	---	---