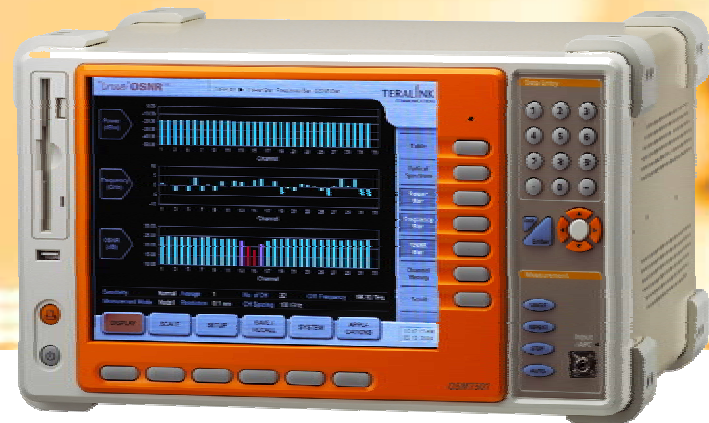


OSMT series WDM Analyzer

"true" OSNR™

Simply Accuracy

Simply Accuracy



WDM Analyzer OSMT – 501

Simply Accuracy *All Fiber Based Field Equipment*

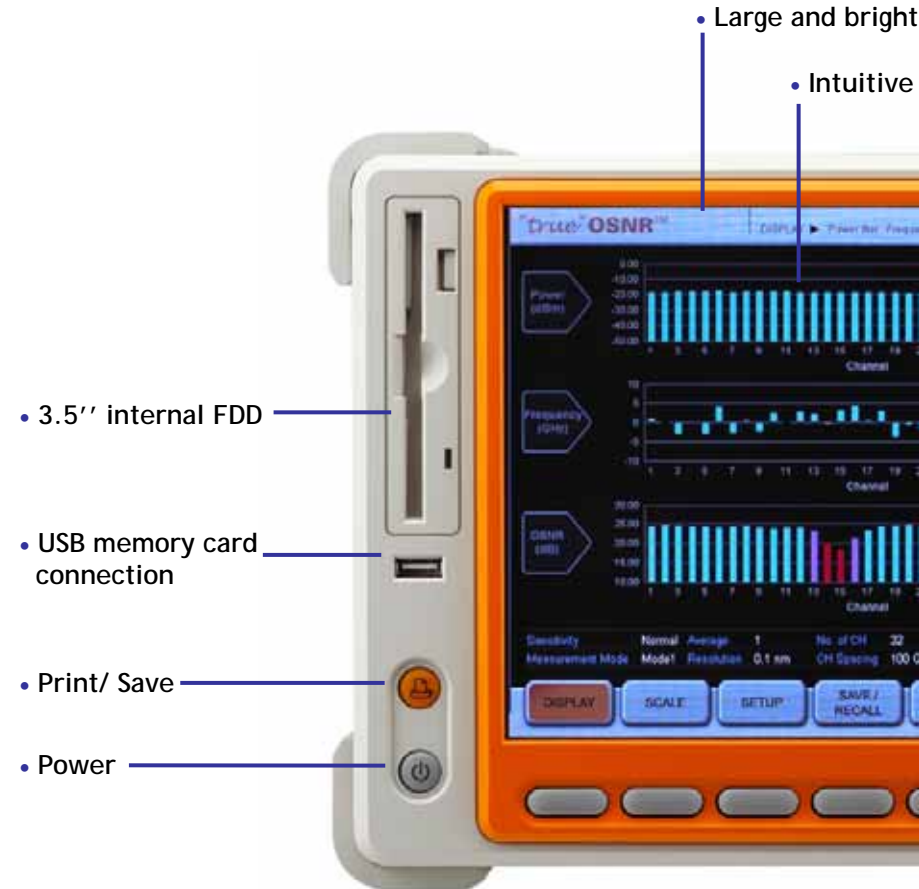
Features

- “true” OSNR measurement
- Power and wavelength measurement
- PMD measurement
- Noise Figure measurement
- Channel history save and retrieval function
- Graphic user interface with intuitive menu

Applications

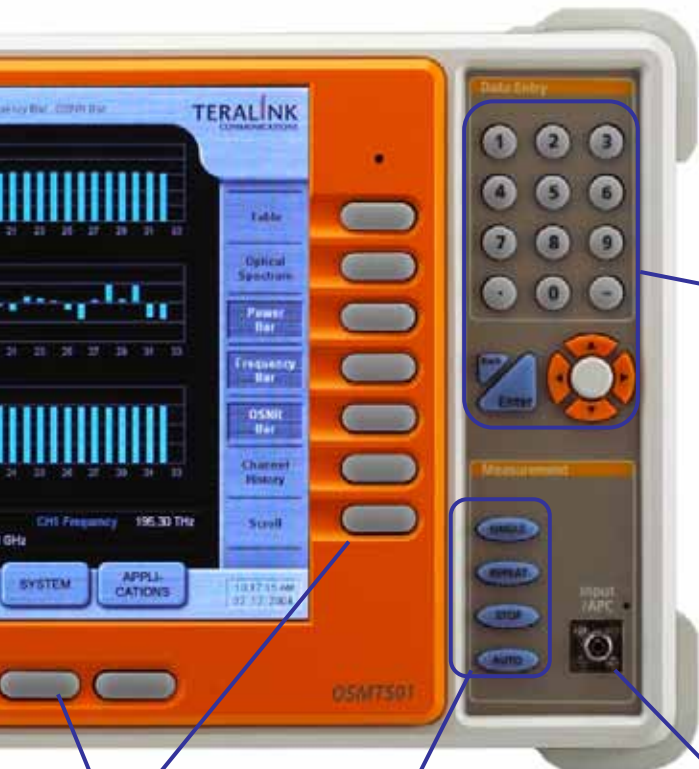
- WDM link setup, controll & optimization
- Maintenance of WDM systems
- In-service characterization of signal’s quality
- Diagnosis of system problems
- long-term performance analysis
- WDM equipment production
- Research & production

TeraLink’s OSMT-501 is an advanced WDM analyzer based on the ‘polarization-nulling’ technique. Unlike conventional OSA, OSMT is capable of measuring “true” OSNR, NF, and PMD, as well as optical power and wavelength of WDM signals. Hence, OSMT can facilitate the initial installation and maintenance of WDM network.



10.4" LCD display

Graphic User Interface



• Menu Keys

• Measurement Keys

Single
Repeat
Stop
Auto

• Optical input

• Basic direct keys

Numeric keys
Arrow commands
Enter & Back



Spectrum



Table



Bar Graphs
(P, λ, "true" OSNR)



Long term
Channel history



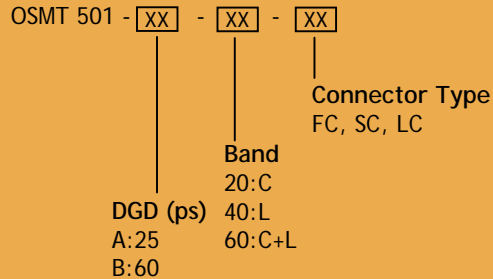
PMD



Noise Figure

"true" OSNR™

ORDERING INFORMATION



Example, OSMT 501-B-20-FC
60ps DGD, C band, FC connector type

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Facsimile +82-42-825-1466
<http://www.teralink.com.com>
Email : info@teralink.com.com
sales@teralink.com.com

SPECIFICATIONS

Parameter	Specification (typical)
Wavelength Range	1525 nm ~ 1565 nm (C-band) 1570 nm ~ 1610 nm (L-band) 1525 nm ~ 1610 nm (C+L band)
Input Optical Power	P & λ Measurement: 0 ~ -40dBm OSNR Measurement: 0 ~ -30dBm
OSNR Dynamic Range	30dB @ $P_{in} = -25$ dBm
PMD Tolerance	60 ps
Resolution Bandwidth	0.025 nm ~ 10.0 nm
Optical Power Accuracy	± 0.5 dB
Wavelength Accuracy	± 24 pm (± 3 GHz)
OSNR Accuracy	± 0.5 dB (@OSNR = 20 dB, $P_{in} = -25$ dBm) ± 1.0 dB (@OSNR = 30 dB, $P_{in} = -25$ dBm)
PMD Accuracy	<5ps
Scanning time (P & λ)	< 0.6 s/channel
Polarization nulling time (OSNR Measurement)	< 0.8 s/channel @ Fast Mode < 1.2 s/channel @ Normal Mode
Input Connector	FC, SC, LC (Optional)
Display	10.4" TFT LCD
Data Storage	3.5" FDD, USB drive
Interface	GPIO, RS-232, VGA
Power	100V ~ 240V (50Hz ~ 60Hz)
Dimension	350 x 220 x 400

**CE, CB, NRTL CERTIFIED