



Optical Spectrum Analyzer / Channel Analyzer



MTP-200-OSA

Multi-Function and High Performance CWDM + DWDM Testing

- S, C and C+L band measurement range
- Up to 160 channels measurements
- DWDM Channel spacing down to 50 GHz
- ITU G.694.1 grid compliant (DWDM)
- ITU G.694.2 grid compliant (CWDM)
- High wavelength accuracy: ± 50 pm
- Dynamic range > 50 dB
- PDL < 0.3 dB
- Channel power measurement
- Channel threshold detection
- In-band OSNR measurement

Optimized Platform Performance

Lightweight, 2.1kg	10 hours continuous operation
7 inch touch screen	Supports WiFi / Bluetooth / GPS
Windows user interface for easy operation	Direct printing function(compatible with PCL printers)
Damp-dust-shock proof	Remote/local control by PC

MTP Suite PC Software

- Test data analysis
- Batch editing and printing
- Remote control function
- Reporting

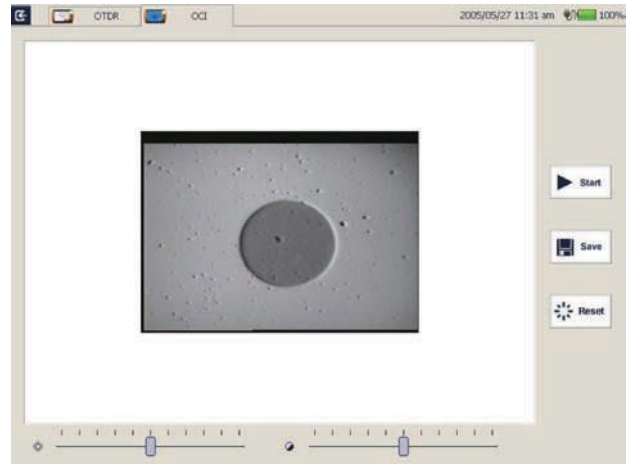
Network Remote Control Module (optional)

Convenient networking
Remote control instrument operation



Optical Connector Inspector Module (optional)

Pass / Fail assessment
Interchangeable connector tips



Applications

DWDM / CWDM Installation / Service Deployment / Maintenance
Laser component characterization
Optical Channel Monitoring

Specifications

MTP-200-OSA Platform

Display	7-inch TFT Touch Screen (800×480)
Connectivity	USB×2; 10/100Mbit/s RJ-45×1
Memory	2GB
Power Supply	Rechargeable Li-Ion Battery/AC Adapter
Battery Life	10 hours continuous operation
Working Temp.	-20°C - 50°C
Storage Temp.	-40°C - 60°C
Humidity	0 - 95% (Non-Condensing)
Weight	2.1kg
Dimensions (LxWxH)	290×175×75mm

OSA Module

Wavelength Range	Full Band	C+L Band	C Band
		1250 1650 nm	1521 1611 nm
Channel Number	160		
Channel Spacing	50 / 100 GHz, customizable		
Input Power Range	-50 to +15 dBm		
Max Input Power	+30 dBm		
Channel Power Accuracy	± 1.0 dB	± 0.5 dB	± 0.5 dB
Power Measurement Repeatability	0.1 dB		
PDL	< 0.5 dB	< 0.3 dB	< 0.3 dB
Absolute Wavelength Accuracy	± 500 pm	± 50 pm	± 50 pm
Wavelength Repeatability	± 100 pm	± 10 pm	± 10 pm
Wavelength Resolution	3.5 nm	0.35 nm	0.16 nm
Wavelength Readout	10 pm	1 pm	1 pm
Optical Rejection Ratio (ORR)	>40 dB		
Noise Floor	-55 dBm		
Sweep Time	10 s	7 s	5 s

MCI100 Optical Connector Inspector Module (Optional)

Field of View	400µm×300µm
Resolution	1.5µm
Focusing	Manual Focus

