

ShinewayTech®

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

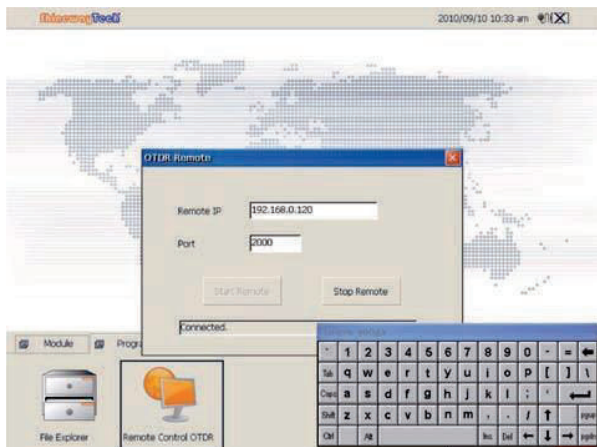
- Lightweight, 2.1kg
- 7 inch touch screen
- Windows user interface for easy operation
- Damp-dust-shock proof
- 10 hours continuous operation
- Supports WiFi / Bluetooth / GPS
- Direct printing function(compatible with PCL printers)
- Remote/local control by PC

MTP Suite PC Software

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

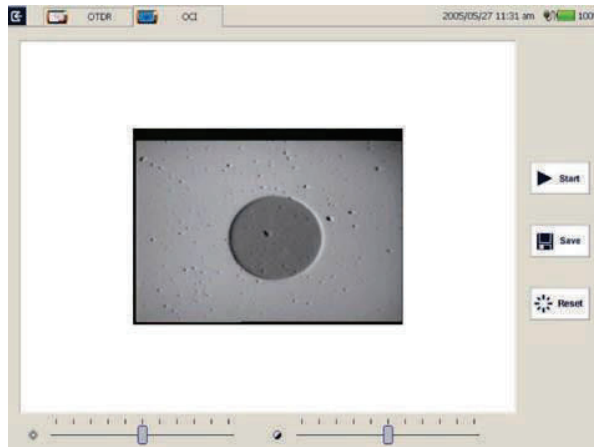
Network Remote Control Module (optional)

- 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 (L×W×H)	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
Microscope Dimensions	Ø32×175mm

*Specifications subject to change without notice

Order Information:

Standard Package

MTP-200 Host, Lithium Battery, CD, Software, Data Cable, Carrying Case, Warranty card, Calibration Certificate

Optional Module:

MCI100: Optical Connector Inspector Module **RC100:** Remote control Module