

**ShinewayTech<sup>®</sup>**

**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:  $\pm 50$  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

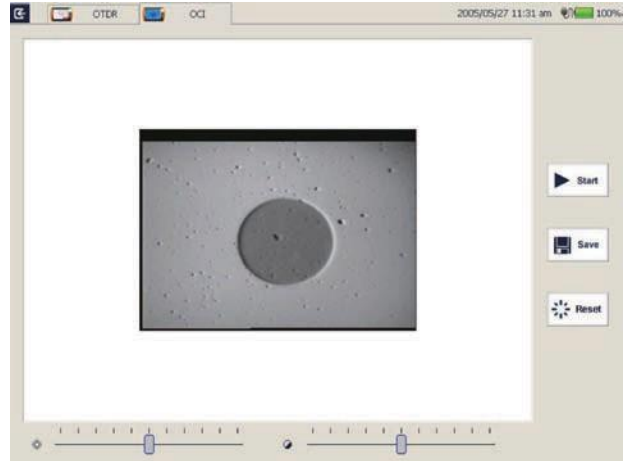
## Network Remote Control Module (optional)

- 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 (800x480)
Connectivity	USBx2; 10/100Mbit/s RJ-45x1
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)	290x175x75mm

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

