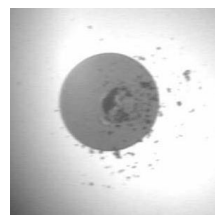
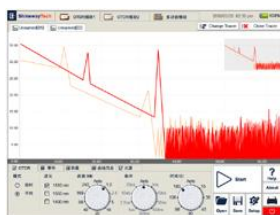


MTP-1000 Multifunctional Test Platform

MTP-1000 is a compact modular platform with up to 3 functional modules, which is specially designed for FTTx/PON applications and can meet all test requirements of installers, contractors and service operators during network installation, service activation, maintenance and troubleshooting.

Designed for Metro, Access & FTTx Networks

- ◆ Flexible wavelength configurations to meet different requirements
- ◆ FTTx in-service test (1625nm with filter)
- ◆ PON OTDR tests through splitter ($\geq 1 \times 64$), splitter & fiber-end identifiable
- ◆ Pass-through PON Power Meter simultaneously measures Triple-play PON signals (1310/1490/1550nm)
- ◆ Visible Fault Locator fast locates defective connectors, faults in macrobends, patch cords and patch cord panels
- ◆ Remote/local control by PC
- ◆ Optical Connector Inspector checks connector & fiber termination for polish quality & cleanliness

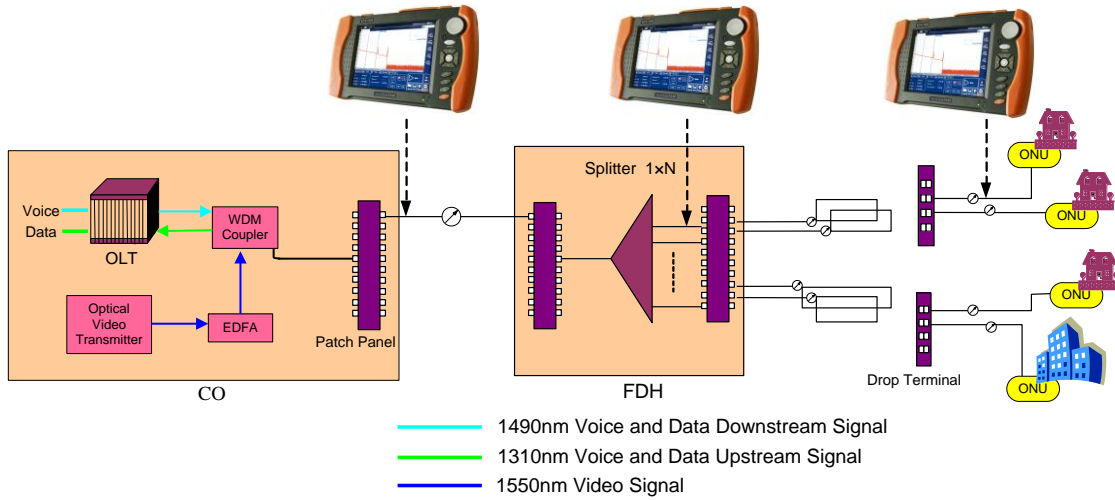


Optimized Platform Performance

- ◆ Lightweight
- ◆ 8.4 inch touch screen
- ◆ Excellent Man-Machine interface for easy operation
- ◆ Damp-dust-shock proof
- ◆ Knob and touchpen combination: Fast and easy handling
- ◆ Optimized power management: 7 hours continuous operation
- ◆ Fast power up with Windows CE

Flexible Test in PON Architecture

MTP-1000 can perform real-time test anywhere in the network for FTTx/PON installation, activation and maintenance.



OTDR Module

- ◆ Multiple modules available for flexible configuration
- ◆ FTTx applicable
- ◆ Value-added Visible Fault Locator
- ◆ GR-196-CORE (.SOR) file format
- ◆ JPG file format

TraceManager Software

- ◆ Multi traces comparison
- ◆ Single/multi trace printing
- ◆ Batch editing and printing
- ◆ Bidirectional testing
- ◆ CSV/ASCII report formats

General Loss Tester Module

- ◆ Simultaneous Triple-play PON signals measurement (1310/1490/1550nm)
- ◆ Burst mode 1310nm upstream signal detection & measurement
- ◆ Dual-port pass-through design
- ◆ 1310/1490/1550/1625nm Quad-wavelength Stabilized Laser Source
- ◆ 850/1300/1310/1490/1550/1625nm CAL wavelength Optical Power Meter

OCI Optical Connector Inspector Module

- ◆ Focusing knob for fast focus
- ◆ Eye-safe and clear video viewing
- ◆ Interchangeable connector tips

Specifications

Platform				
Display	8.4 inch TFT Touch Screen (800x600)			
Connectivity	USBx2; 10/100Mbit/s RJ-45x1			
Memory	2GB			
Power Supply	Li-Ion Battery/AC Adapter			
Battery Life	7 hours continuous operation			
Weight	2.1kg (Platform only)			
Dimensions (HxWxT)	320x190x70mm (Platform only)			
OTDR Module	Wavelength (±20nm)	Dynamic Range (dB)	EDZ(m)	ADZ(m)
MOT200-20VD	1310/1550	45/43	1.5	8/10
MOT200-30VC	1310/1490/1550	38/37/37	1.5	12
MOT200-31VC	1310/1550/1625	38/37/37	1.5	12
MOT200-32VC	1310/1383/1550	38/37/37	1.5	12
MOT200-40VC	850/1300/1310/1550	26/32/38/36	1.6	8/9/10/12
MOT200-41VC	1310/1490/1550/1625	38/37/36/36	1.5	12
Selectable Range	1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km			
Pulse Width	5ns,10ns,30ns,100ns,300ns,1µs,2.5µs,10µs,20µs			
Averaging Time	Quick, 15s, 30s, 45s, 60s, 90s, 120s, 180s			
Emitter Type	LD			
Connector	FC/PC (Interchangeable SC, ST)			
Distance Measure Accuracy	$\pm(1m + 10^{-5} \times \text{distance} + \text{sampling space})$			
Attenuation Detect Accuracy	$\pm 0.05 \text{ dB/dB}$			
Reflection Detect Accuracy	$\pm 4 \text{ dB}$			
Visible Laser Source	Output Power $\geq -3\text{dBm}$; MOD Frequency: 1Hz; Detecting Range: 5Km			
MCI100 Optical Connector Inspector Module				
Field of View	400µm×300µm			
Resolution	$\leq 1.5\mu\text{m}$			
Focusing	Manual Focus			
Hand Probe Dimensions	Ø32×175mm			
MPN200 General Loss Tester Module: PON Power Meter				
CAL Wavelengths	1310	1490	1550	
Measurement Range	-40 ~ +10dBm ⁽¹⁾	-40 ~ +12dBm	-40 ~ +20dBm	
Spectral Passband	1310±50nm	1490±15nm	1550±10nm	
Power Uncertainty	$\leq 0.5\text{dB}$			
Display Resolution	0.01dB			

Insertion Loss	≤ 1.5dB	
MPN200 General Loss Tester Module: Stabilized Laser Source		
Wavelength	1310,1490,1550,1625nm (±20nm)	
Emitter Type	FP-LD@1310,1490,1550nm; DFB-LD@1625nm	
Output Mode	CW, 270Hz,1KHz,2KHz	
Spectrum Width	≤5nm	
Output Power	≥ -3dBm	
Power Stability	±0.05dB/15min; ±0.10dB/8hr	
Connector	FC/PC (Interchangeable SC, ST)	
MPN200 General Loss Tester Module: Optical Power Meter		
CAL Wavelength	850,1300,1310,1490,1550,1625nm	
Power Range (dBm)	-70~+10 ⁽²⁾	-50~+27
Accuracy	±5%±0.01nW (±0.5dB@850nm)	±5%±1nW (±0.5dB@850nm)
Detector Type	InGaAs	
MOD Identification	270,1K,2K Hz	
Resolution	0.01dB	
Connector	FC (Interchangeable SC, ST)	

Notes: (1) Burst mode measurement range at 1310 nm: -30 ~ +10dBm;

(2) For 850nm, the lower limit of measurement range is -60 dBm.

* Specifications subject to change without notice

