

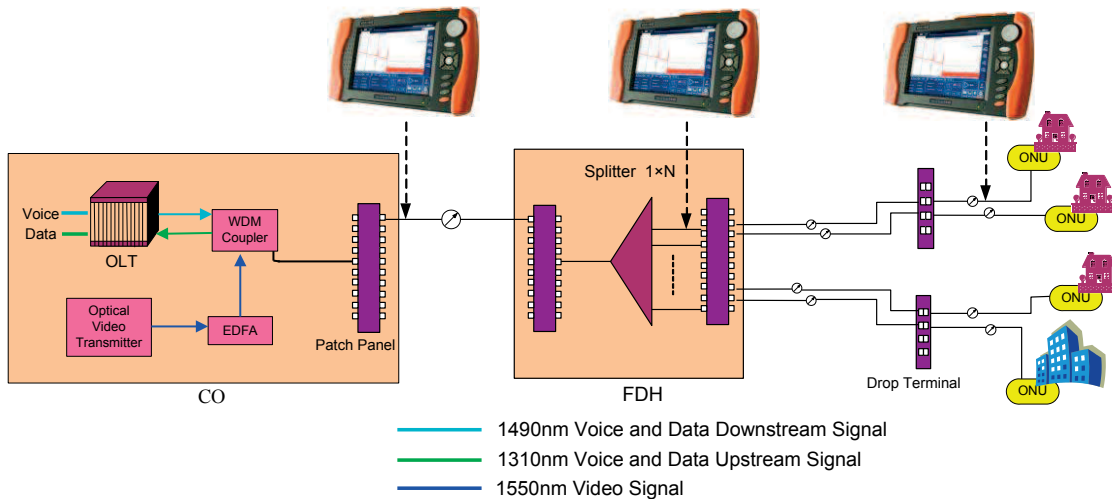
MTP-1000 Multifunctional Test Platform



ShinewayTech®

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.

- Lightweight
- 8.4 inch touch screen
- Damp-dust-shock proof
- Knob and touchpen combination:
- 7 hours continuous operation
- Fast power up with Windows CE
- 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 (1×64), 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
- Optical Connector Inspector checks connector & fiber termination for polish quality & cleanliness



OTDR Module

- Multiple modules available for flexible configuration
- FTTx applicable
- Value-added Visible Fault Locator
- GR-196-CORE compliant

TraceManager Software

- Multi traces comparison
- Single/multi trace printing
- Batch editing and printing
- Bidirectional testing

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 SLS
- 850/1300/1310/1490/1550/1625nm CAL wavelength OPM

OCI Optical Connector Inspector Module

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

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MTP-1000

Multifunctional Test Platform



ShinewayTech®

Specifications

Platform				
Display	8.4 inch TFT Touch Screen (800×600)			
Connectivity	USB×2 10/100Mbit/s RJ-45×1			
Memory	2GB			
Power Supply	Li-Ion Battery/AC Adapter			
Battery Life	7 hours continuous operation			
Weight	1kg (Platform only)			
Dimensions (H×W×T)	320×190×70mm (Platform only)			
OTDR Module	Wavelength (±20nm)	Dynamic Range (dB)	Event Deadzone(m)	Attenuation Deadzone(m)
MOT200-20VD	1310/1550	45/43	1.5	10
MOT200-30VC	1310/1490/1550	38/37/37	1.5	12
MOT200-31VC	1310/1550/1625	38/37/37	1.5	12
Emitter Type	LD			
Connector	SC/UPC (Interchangeable FC, ST)			
Distance Measure Accuracy	±(1 m + 5×10 ⁻⁵ ×distance + sampling space)			
Attenuation Detect Accuracy	±0.05 dB/dB			
Reflection Detect Accuracy	±4 dB			
MCI100 OCI Optical Connector Inspector Module				
Field of View	400µm×300µm			
Resolution	≤1.5µm			
Focusing	Manual Focus			
Hand Probe Dimensions	Ø32×175mm			
MPN200 PON Power Meter Module				
CAL Wavelengths	1310	1490	1550	
Measurement Range	-40 ~ +10dBm (1)	-40 ~ +12dBm	-40 ~ +25dBm	
Spectral Passband	1310±20nm	1490±10nm	1550±10nm	
Power Uncertainty	≤ 0.5dB			
Accuracy	0.01dB			
Insertion Loss	≤ 1.5dB			

Note: (1) Burst mode measurement range at 1310 nm: -30 ~ +10dBm.
 * Specifications subject to change without notice

MPN200 General Loss Tester Module: Stabilized Laser Source	
Wavelength (±20nm)	1310,1490,1550,1625nm
Emitter Type	FP-LD@1310,1490,1550nm; DFB-LD@1625nm
Output Mode	CW, 270Hz,1KHz,2KHz
Spectrum Width	≤ 5 nm
Output Power	≥ -7dBm
Power Stability	±0.05dB/15min; ±0.10dB/8hr
Connector	SC/UPC (Interchangeable FC, ST)
MPN200 General Loss Tester Module: Optical Power Meter	
CAL Wavelength	850,1300,1310,1490,1550,1625nm
Power Range (dBm)	-70~-+10 ⁽²⁾ or -50~-+27
Accuracy	±0.25 dB (5%) @25°C& -10dBm (±0.5 dB@850nm)
Detector Type	InGaAs
MOD Identification	270,1K,2K Hz
Resolution	0.01dB
Connector	SC (Interchangeable FC, ST)

Notes: (1) Burst mode measurement range at 1310 nm: -30 ~ +10dBm;
 (2) For 850nm, the lower limit of measurement range is -60 dBm.
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