ShinewayTech®MTP-200 series are the compact multi-functional platform, which are specially designed for FTTx/WAN applications and can meet all test requirements of installers, contractors and service operators during network installation, construction, maintenance and troubleshooting. It is convenient and accurate for auto/manual testing, multi-wavelength testing and multifunctional analysis.

MTP-200 Series

Hand-held High Performance OTDR

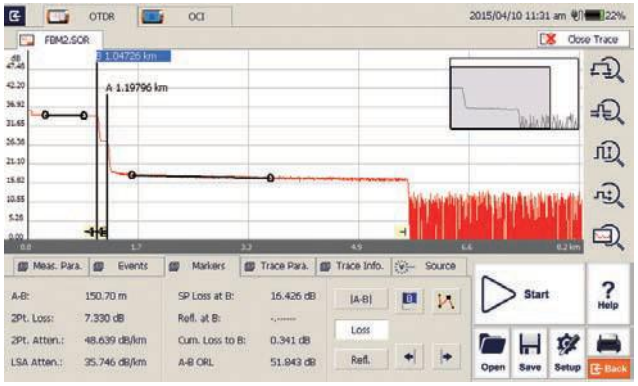
ShinewayTech®

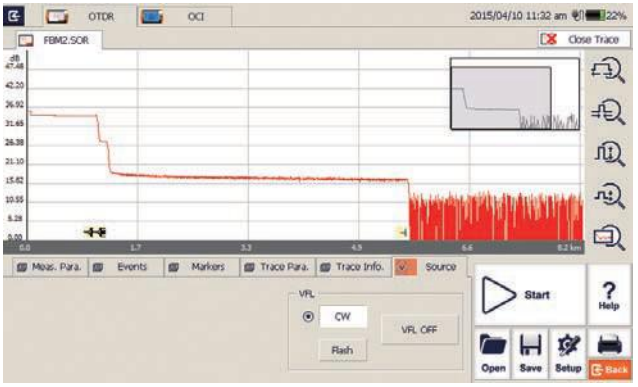
Multi-Function and High Performance OTDR Testing

(1) Dynamic Range up to 50dB
(2) Short zone: EDZ 0.8m, ADZ 4.5m
(3) Auto/Manual test and analysis
(4) Multi-wavelength testing
(5) Visible laser source function
(6) In-Line test and through Splitter test (1625/1650nm with filter)
(7) OTDR Module up to four wavelengths, SM/MM Option
(8) Fault locating, fiber length/loss/return loss measurement, connector/ splice/ splitter/ macro bend/fiber-end detection
(9) LAN/WAN/FTTx application
(10) GR-196-CORE (.SOR) file format
(11) SOR and JPG file format
(12) Flexible file Naming

Optimized Platform Performance

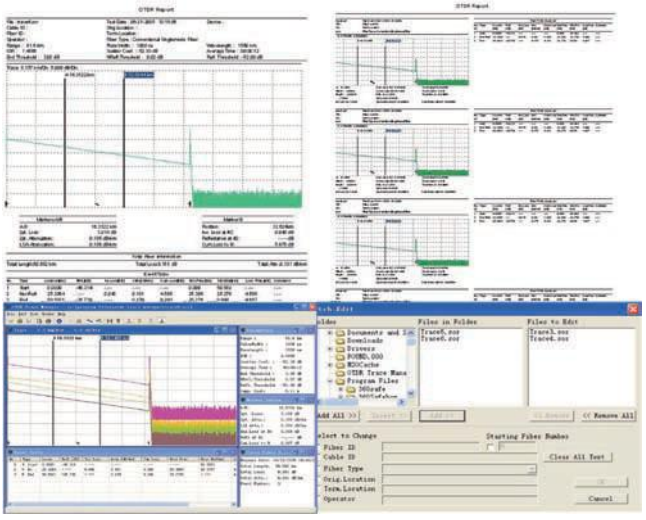
(13) Lightweight, 2.1kg
(14) 7 inch touch screen
(15) High strength protect horn
(16) Excellent Man-Machine interface for easy operation
(17) Damp-dust-shock proof
(18) Optimized power management: 10 hours continuous operation
(19) Fast power up and off with Windows CE
(20) Direct printing function(compatible with PCL printers)
(21) Remote/local control by PC





MTP Suite PC Software

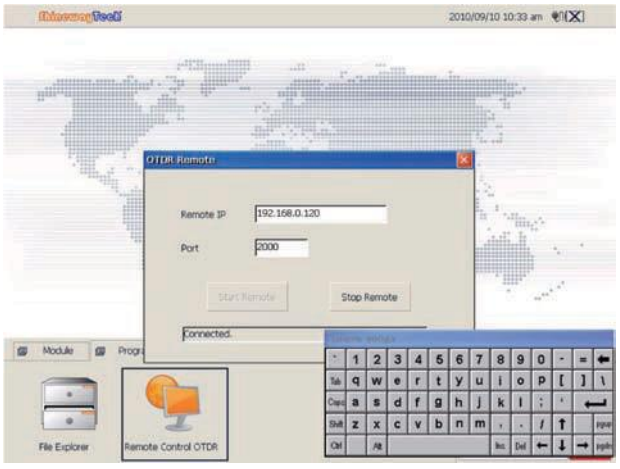
(22) Multi traces analysis
(23) Single/multi traces printing in one report
(24) Batch editing and printing
(25) Bidirectional traces analysis
(26) CSV report formats
(27) Remote control function



Network Remote Control Module (optional)

(28) Convenient networking

(29) Remote control instrument operation

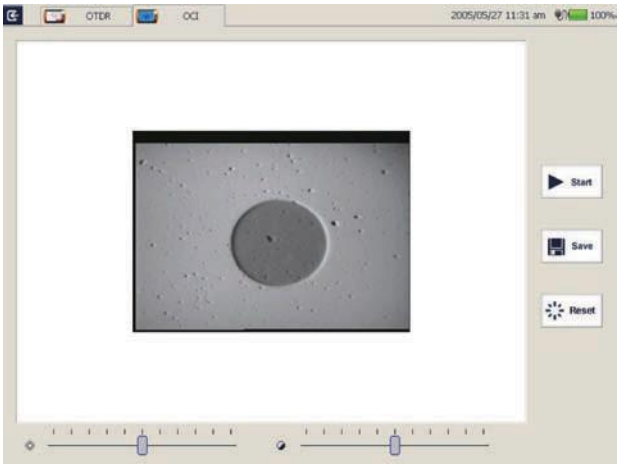


Optical Connector Inspector Module (optional)

(35) Focusing knob for fast focus

(36) Eye-safe and clear video viewing

(37) Interchangeable connector tips



Stabilized Laser Source Module (optional)

(30) Wavelength same as the OTDR

(31) High precision and easy operation

Optical Power Meter Module (optional)

(38) Multi-wavelength Calibration

(39) High Precision

(40) Convenient Operation

Applications

(32) Installation Stage

(33) Service Deployment

(34) Maintenance Stage

Specifications

MTP-200 Series	
Display	7 inch TFT Touch Screen (800×480)
Connectivity	USB×2; 10/100Mbit/s RJ-
Memory	2GB
Power Supply	Rechargeable Li-Ion Battery/AC Adapter
Battery Life	10 hours continuous
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

OTDR Module	Wavelength (±20nm)	Dynamic Range (dB)[1]	EDZ (m)[2]	ADZ(m)[2]
MTP-200-20VC	1310/1550	38/37	0	4
MTP-200-20VD	1310/1550	45/43	0	4
MTP-200-20VF	1310/1550	50/48	0	4
MTP-200-31VCPL	1310/1550/1625	43/41/	0	4
MTP-200-33VC	1310/1550/1650	42/40/39	0	4
MTP-200-40VC	850/1300/1310/1550	23/28/38/36	1	4.5/4.5/4/
Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km			
	MM: 1.3, 2.5, 5, 10, 20,			
Pulse Width	SM: 5ns,10ns, 30ns, 100ns, 300ns,1μs, 2.5μs,10μs, 20μs			
	MM: 5ns, 10ns, 30ns, 1μs, 2.5μs			
Averaging Time	Quick, 15s, 30s, 45s, 60s, 90s, 120s, 180s			
Emitter Type	LD			
Connector	FC/PC (Interchangeable SC, ST and LC)			
Distance Measure Accuracy	±(1m + 10^{-5}×distance + sampling spacing)			
Attenuation Detect Accuracy	±0.05 dB/dB			
Reflection Detect Accuracy	±4 dB			
Visible Laser Source	Output Power: ≥-3dBm	MOD Frequency: 1Hz	Detecting Range: 5Km	

MCI100 Optical Connector Inspector Module (Optional)	
Field of View	400μm×300μm
Resolution	≤1.5μm
Focusing	Manual Focus
Microscope Dimensions	Ø32×175mm

LS100 Stabilized Laser Source (Optional)	
Wavelength (±20nm)	Same as OTDR's
Output Power	≥-7dBm

PM100 Normal Power Meter Module (Optional)	
Calibrated	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, 1650nm
Measurement	-70dBm - +6dBm (-60dBm - +6dBm @ 850nm)
Detector Type	InGaAs
Display Resolution	0.01dB
Accuracy	± 5% ± 0.01nW (±0.5dB@850nm)

*Specifications subject to change without notice

Notes

- Dynamic range measurement at 20μs pulse width and 180s averaging time;
- Dead Zone measurement at 0.6Km and reflection <-45dB; EDZ measurement at 5ns, ADZ measurement at 10ns.

Order Information:

Standard Package

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

Optional Module:

LS100: Stabilized Laser Source Module (as OTDR)

PM100: Optical Power Meter Module

MCI100: Optical Connector Inspector Module

RC100: Remote control Module

LM100: Link Image Module

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