MTP-200-CWDM Handheld High Performace OTDR

Product Overview

MTP-200-CWDM OTDR supports up to 18 CWDM wavelengths and customised wavelengths, with dynamic range up to 36dB.
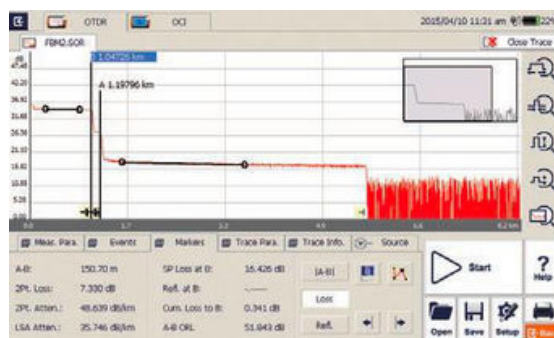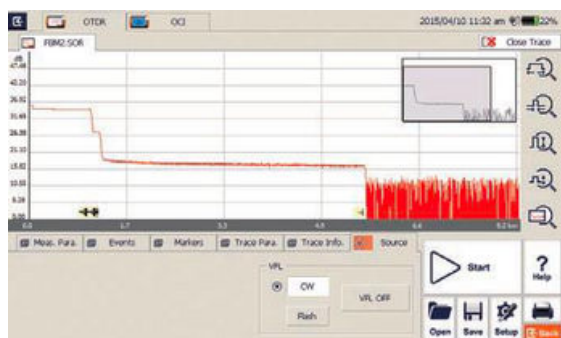

Features

Multi-Function and High Performance OTDR Testing

➤ Up to 18 CWDM wavelengths, customisable
➤ Dynamic Range up to 36dB
➤ Short zone: EDZ 1m, ADZ 4m
➤ Auto/Manual test and analysis
➤ Multi-wavelength testing
➤ Visible laser source function
➤ Fault locating, fibre length/loss/return loss measurement, connector/ splice/ splitter/ macro bend/fibre-end detection
➤ GR-196-CORE (.SOR) file format
➤ SOR and JPG file format
➤ Flexible file naming
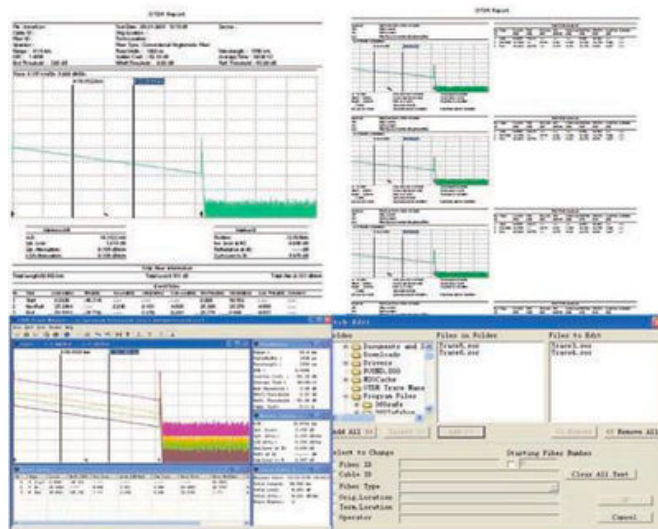➤ LinkImage smart graphic analysis

Optimised Platform Performance

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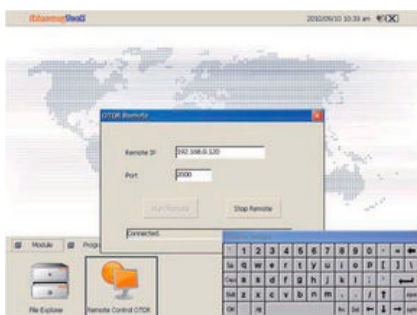➤ Direct printing function(compatible with PCL printers)
➤ Remote/local control by PC

MTP Suite PC Software

▶ Multi traces analysis
▶ Single/multi-trace printing in one report
▶ Batch editing and printing
▶ Bidirectional traces analysis
▶ CSV report formats
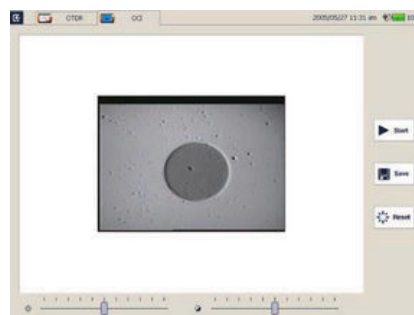▶ Remote control function

Network Remote Control Module (optional)

▶ Convenient networking
▶ Remote control instrument operation

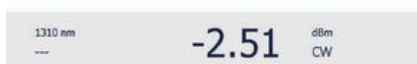## Optical Connector Inspector Module (optional)

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

Stabilised Laser Source Module (optional)

▶ Wavelength same as the OTDR
▶ High precision and easy operation

Optical Power Meter Module (optional)

▶ Multi-wavelength Calibration
▶ High Precision
▶ Convenient Operation

FRAME communications

Specifications

MTP-200 Series	
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
OTDR Module	**Wavelength**
MTP-200-CWDM-4A	1271/1291/1311/1331
MTP-200-CWDM-4B	1351/1371/1391/1411
MTP-200-CWDM-4C	1351/1411/1431/1451
MTP-200-CWDM-4D	1431/1451/1471/1491
MTP-200-CWDM-4E	1471/1491/1511/1531
MTP-200-CWDM-4F	1511/1531/1551/1571
MTP-200-CWDM-4G	1551/1571/1591/1611
MTP-200-CWDM-8A	1471/1491/1511/1531/1551/1571/1591/1611
MTP-200-CWDM-16	1271/1291/1311/1331/1351/1411/1431/1451/1471/1491/1511/1531/1551/1571/1591/1611
MTP-200-CWDM-18	1271/1291/1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/1511/1531/1551/1571/1591/1611
Dynamic Range(2)	36dB
Dead Zone(3)	EDZ: 1m, ADZ: 4m
Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km
Pulse Width	SM: 5ns,10ns, 30ns, 100ns, 300ns,1μs, 2.5μs,10μs, 20μs
Sampling Points	256000

Averaging Time	Quick, 15s, 30s, 45s, 60s, 90s, 120s, 180s
Connector	FC/PC (Interchangeable SC, ST and LC)
Distance Accuracy	±(0.75m + 5x10-5 x distance +sampling resolution)
Attenuation Accuracy	±0.05 dB/dB
Reflection 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	Ø32×175mm
Dimensions	
Specifications LS100 Stabilized Laser Source (Optional)	
Wavelength (±20nm)	Same as OTDR's
Output Power	≥-7dBm

PM100 Normal Power Meter Module (Optional)

Calibrated Wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, 1650nm
Measurement Range	-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

(1) Wavelength is open for customisation
(2) Dynamic range measurement at 20μs pulse width and 180s averaging time;
(3) Dead Zone measurement at 0.6Km and reflection <-45dB; EDZ measurement at 5ns, ADZ measurement at 10ns.

Ordering Information

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

Optional Module:
LS100: Stabilised Laser Source Module (as OTDR), PM100: Optical Power Meter Module ,MCI100: Optical Connector Inspector Module, RC100: Remote control Module, LM100: Link Image Module