

MOT-200 Mini OTDR series

Description:

The **MOT-200** series Optical Time Domain Reflectometer (OTDR) is a next-generation intelligent meter designed for detecting fiber communication systems. As optical networks expand in urban and rural areas, measurements become shorter and more dispersed; the **MOT-200** is specifically tailored for these applications. It is cost-effective and delivers exceptional performance.

Manufactured with meticulous care, the **MOT-200** adheres to national standards, integrating extensive experience with modern technology. It undergoes rigorous mechanical, electronic, and optical testing and quality assurance. The new design makes the **MOT-200** smarter, more compact, and versatile.

Whether you need to detect the link layer during the construction and installation of optical networks or perform efficient maintenance and troubleshooting, the **MOT-200** is your ideal assistant.



MOT-200

Features:

- Ultra-thin design, smart and rugged
- 4.95-inch capacitive multi-touch screen
- Build-in operation system
- One-button automatic test
- Event map function
- Built-in OLS/OPM/VFL modules
- RJ-45 cable tester and Tracker module
- Over 1000 groups of testing results storage
- PC software for generating test report
- USB-C port for data transmission
- Built-in rechargeable Lithium battery

Variants of Mini OTDR:

Type ¹	Testing Wavelength (nm)	Dynamic Range (dB)
MOT-200-D36	1310/1550	36/34
MOT-200-D32	1310/1550	32/30
MOT-200-M26	850/1300	26/22
MOT-200-P32	1310/1490/1550	32/30/30
MOT-200-S32	1625 or 1650	32

Note: 1) Can be customized

Application:

- FTTX test with PON networks
- CATV network testing
- Access network testing
- LAN network testing
- Metro network testing
- Lab and Factory testing
- Live fiber troubleshooting

Test parameters:

<i>Pulse Width</i>	5 ns, 10 ns, 25 ns, 50 ns, 100 ns, 250 ns, 1 μs, 2.5 μs, 5 μs, 10 μs, 20 μs
<i>Test range</i>	100 m, 200 m, 2 km, 10 km, 20 km, 40 km, 80 km, 120 km, 160 km, 240 km
<i>Distance Accuracy</i>	± (1 m+testing distance x 5x10 ⁻⁵ + sampling resolution)
<i>Min. sampling resolution</i>	256 000
<i>Distance resolution</i>	0.01 m
<i>Attn. accuracy</i>	±0.05 dB/dB
<i>Reflectance accuracy</i>	±4 dB
<i>Event dead zone</i>	3 m
<i>Attn. dead tone</i>	8 m
<i>Memory</i>	> 1000 groups; + External U-disk can be used

Note: 1) For **more models** see below "Ordering code". Customizing models are also supported.
 2) **Dynamic range** is measured with maximum pulse width, averaging time is 3 minutes, SNR=1, The level difference between the RMS noise level and the level where near and back-scattering occurs.
 3) Event Dead Zone and Attenuation Dead Zone are measured with minimum pulse width.

General specification:

<i>Dimensions (L x W x H)</i>	160 × 80 × 18 mm
<i>Display</i>	4.95 inch multi-touch color LCD screen
<i>Interface</i>	USB - Type C
<i>Power Supply</i>	Lithium battery, USB Type C
<i>Language</i>	English
<i>Environmental Conditions</i>	Operating temperature and humidity: -10°C to +50°C Storage temperature and humidity: -20°C to +70°C

Ordering Code:

MOT-200	-	xxx	-	PMx	-	Vxx	-	yyy	-	Tz
		D36 D32 M26 P32 S32		S -Standard H -High power		V10 V30		Connector type USC SC/UPC NSC SC/APC		RJ45 Cable module T1 T3

Standard accessories

LS Laser Source module
PMH Power Meter (High-power) module
V10 Visual Fault Locator module (10mW)
NSC SC/APC adapter (for OTDR port)
T1 RJ45 Remote module

Optional items:

PMS Power Meter-standard module
V30 VFL (30mW)
USC SC/UPC adapter (for OTDR port)
T3 RJ45 Cable tracker

Technical parameters:

VFL Module	Wavelength	650±20nm
	Output Wave Type	CW & 2Hz
	Output Power	10mW or customized (Max. 30mW)
Laser Source Module	Wavelength	Same to OTDR
	Modulation Frequency	270Hz/330Hz/1KHz/2KHz & Blink
	Output Power	≥-5dBm
Power Meter Module	Calibration Wavelength	850/980/1270/1300/1310/1490/ 1550/1577/1625/1650nm
	Connector	2.5mm universal
	Modulation Freq. Detection	270Hz/330Hz/1KHz/2KHz
	Measuring Range	S: -70 to +10dBm; H: -50 to +30dBm
RJ45 Remote Module (T1)	Line sequence test	8 core & shielded line
	Dimensions(L*W*H)	35mm * 41mm * 14.5mm
RJ45 Cable Tracker (T3)	Line sequence test	8 core & shielded line
	Cable Detect	Normal & Anti-jamming mode, Adjustable sensitivity, Max. 600M
	NCV Detect	AC90V~1000V
	Power Supply	Lithium Battery
	Dimensions(L*W*H)	132mm * 35mm * 14.5mm

