

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-P32

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:

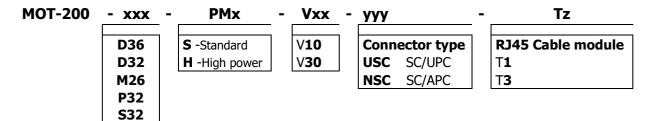
Pulse Width	5 ns, 10 ns, 25 ns, 50 ns, 100 ns, 250 ns, 1 μs, 2.5 μs, 5 μs, 10 μs, 20 μs	
Test range	100 m, 200 m, 2 km, 10 km, 20 km, 40 km, 80 km, 120 km, 160 km, 240 km	
Distance Accuracy	± (1 m+testing distance x 5x10 ⁻⁵ + sampling resolution)	
Min. sampling resolution	256 000	
Distance resolution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

Note:

General specification:

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

Ordering Code:



Standard accessories

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LS	Laser Source module		
PMH	Power Meter (High-power) module	PMS	Power Meter-standard module
V10	Visual Fault Locator module (10mW)	V30	VFL (30mW)
NSC	SC/APC adapter (for OTDR port)	USC	SC/UPC adapter (for OTDR port)
T1	RJ45 Remote module	Т3	RJ45 Cable tracker

Optional items:

¹⁾ For **more models** see bellow "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.



Technical parameters:

	Wavelength	650±20nm	
VFL Module	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	