

# DATASHEET

## Optical Time-domain Reflectometer



**RoHS**



**OMC INDUSTRY CO.LIMITED**

## Product Introduction

An Optical Time Domain Reflectometer (OTDR) is used in fiber optics to measure the time and intensity of the light reflected on an optical fiber. More to the point, it is used as a troubleshooting device to find faults, splices, and bends in fiber optic cables, with an eye toward identifying light loss. Light loss is especially important in fiber optic cables because it can interfere with the transmission of data. An OTDR can detect such light loss and pinpoint trouble areas, making repairs easy. The more quickly trouble areas are identified and addressed, the less your fiber optic network will suffer from data transfer problems.



## Features

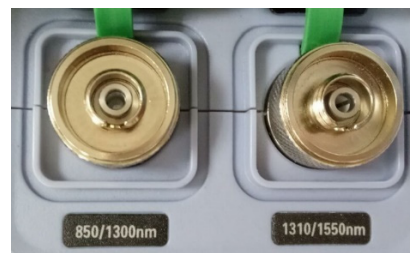
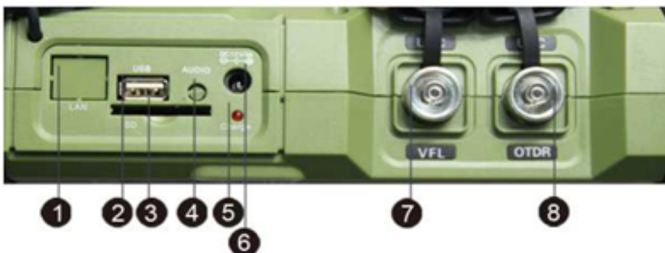
- Integrated design, smart and rugged
- IP65 protection level, outdoor enhanced
- 7-inch anti-reflection LCD screen
- PON online test module (1625nm) is optional
- MMF test module (850/1300nm) is optional
- Support multi-language display and input

## 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

## Specification

Model	QX50-MS	QX50-MS2
Wavelength (nm)	850/1310/1550	850/1300/1310/1550
Dynamic range (dB) <sup>2</sup>	21/19/28	21/19/30/28
Pulse width (ns)	5、 20、 40、 80、 160、 320、 640、 1280	
Event blind zone (m) <sup>3</sup>	1.8m	
Attenuation blind zone (m) <sup>3</sup>	10m	
Linearity (dB/dB)	±0.05 dB/ dB	
Loss threshold (dB)	0.05	
Loss resolution ratio (dB)	0.001	
Sampling resolution ratio (m)	0.125 to 8	
Sampling point	32K	
Distance uncertainty (m)	±(1 m + 5x10 <sup>-5</sup> x distance + sampling interval)	
Distance scope (km)	0.3 to 180	
Typical real-time refreshing duration (S)	0.2	
Memory capacity of trace	SD Card (2G), > 10000 pieces	
Duration of measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, 3min are selectable	



- 1. LAN Port
- 2. USB Data interface
- 3. SD Slot
- 4. Audio Interface
- 5. DC Adapter
- 6. Power Indicator
- 7. VFL/MM Interface
- 8. OTDR SM Interface

Products details



Accessories



- FC+SC+LC UPC Connectors x1
- Testing & Calibration Report x1
- AC/DC adapter x1
- Quality certification x1
- Trace analyzing software(CD) x1
- Internal Battery x1
- User Manual x1
- Carrying Case x1