## CLR-OTDR-M/S

Overview

With a short 2m dead zone the CLR-OTDR-M/S is designed for FTTx application. It can test the length, fiber loss connector loss and other physical characteristics of fiber. it can locate events on fiber cables precisely. It is really the tool of choice for FTTx application installation and maintenance as well as for fiber R&D and producing testing. CLR-OTDR-M/S rugged design, lightweight and easy operation, as well as the low-reflection LCD and more than 10 hours battery life make it be perfect in filed testing. Meanwhile, Its two USB & SD interfaces help to store and transfer traces easily and conveniently.

Area of usage
- FTTx
- Metropolitan Area Networks
- Backbone networks
- CCTV optical infrastructures

Application Diagram
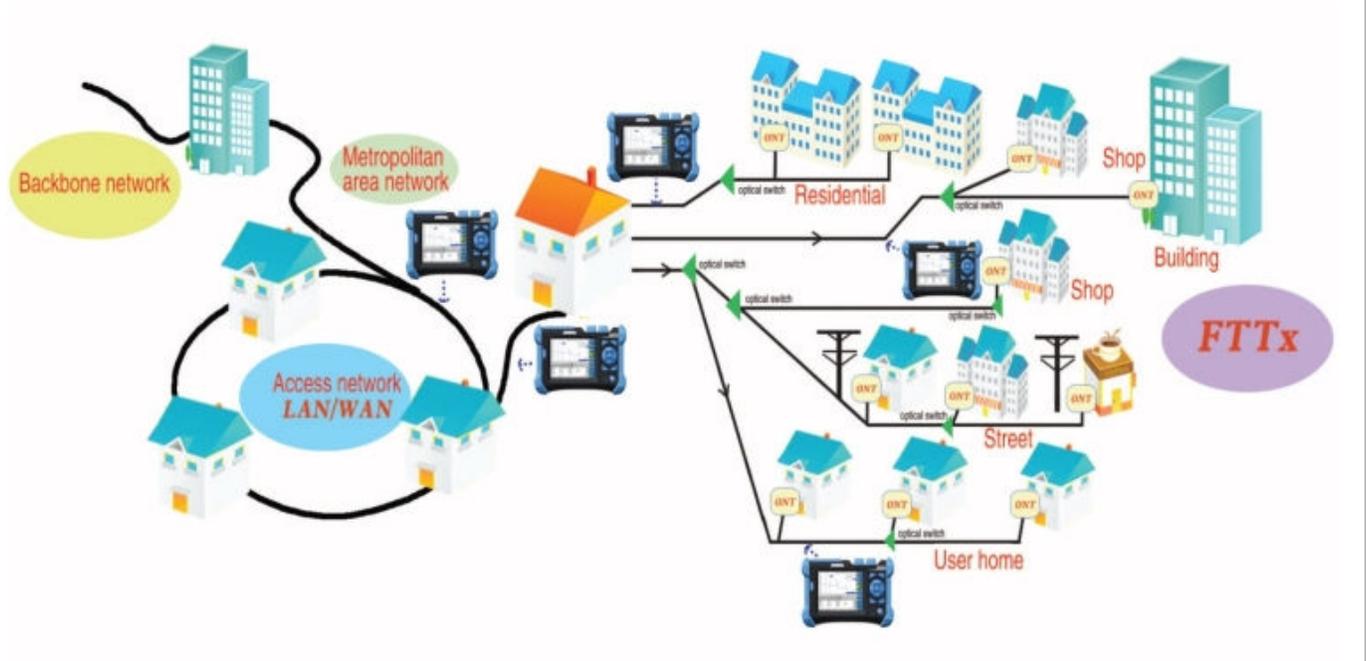
Features

- Large touch screen + shortcut keys, easy to operate
- Large capacity polymer lithium battery, with superlong working hours
- Intelligent testing, simple use, powerful functions.
- Built-in Visible Fault Locater (VFL)
- Media of memory card +SD card, with superlarge capacity of traces.
- Able to meet FTTx testing needs.
- Several wavelengths can be choosen.
- Solid casing design, dustproof and shock proof
- OTDR TraceManager PC software
- Achieves bulk amendment and batch printing
- Generates different forms of test reports according to user needs.
- Waveform difference comparision function. Opens several waveforms in the same window for comparing
- Automatic measurement mode
- Multi-wavelength measurement mode.
- Trace fixing function.
- In FTTx testing, able to identify the splitter and fiber's end
- Bellcore file format (.sor)
- Storage of greater than 10,000 traces
- Communication light detection function to protect the test instruments and communication equipments.
- Connection State Detection
- Switching of measurement mode through shortcut key

LEDs & Ports
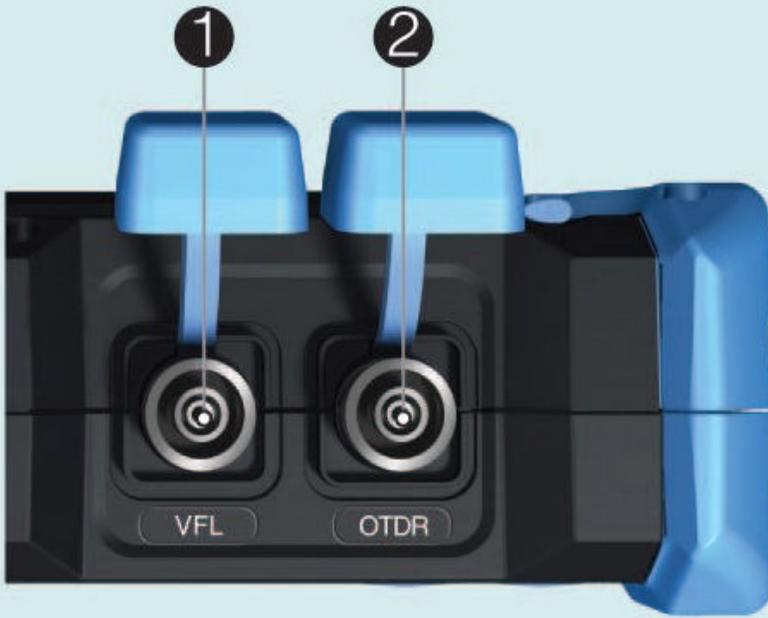
1- Optical interface 1/VFL
2- Optical interface 2/OTDR
3- Charging indicator
4- SD Card interface
5- Power adapter interface
6- Earphone interface
7- USB interface
8- Ethernet interface
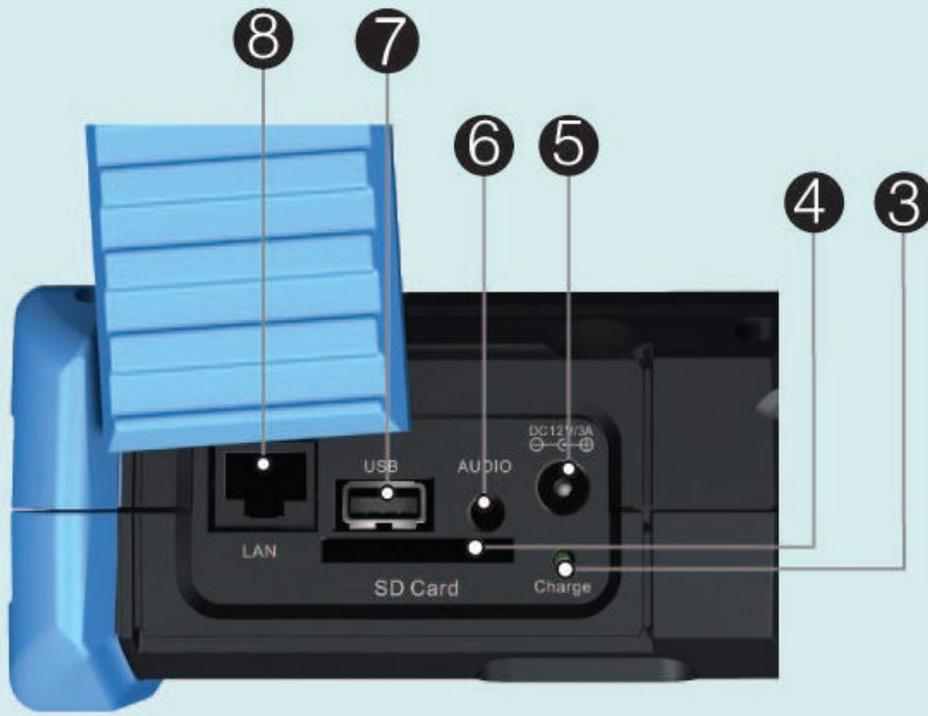
Specifications

Technical Specs

Optical interface	- FC/UPC (PC and APC are selectable)	
Data interface	- USB interface, SD card interface	

	850	1310/1550
Wavelength (nm)	850	1310/1550
Dynamic Range (dB)	20	30/28
Pulse width (ns)	5, 20,40, 80, 160, 320, 640, 1280	5, 20,40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480
Event Blind Zone (m)	≤3	
Attenuation Blind Zone (m)	≤13	
Display	5.6" LCD touch screen	
Linearity (dB/dB)	±0.05	
Loss treshold (dB)	0.05	
Loss resolution ratio (dB)	0.01	
Sampling resolution ratio (m)	0.125 to 8	
Sampling point	32K	
Distance uncertainty (m)	± (1m + 5/100000 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 (4G), >1000 pieces	
Duration of measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, 3min are selectable	

General Specs

Dimension (H x Wx D)	150 x 235 x 66mm
Weight	1.5kg
Temperature	Running temperature -10℃ to +50℃ Memory temperature -40℃ to +70℃
Relative humidity	0% to 95% (non condensing)
Power supply	Lithium battery; continuous working duration ≥ 8 hours

VFL - Visual Fault Locater specs

Wavelength	650nm
Output power (dBm)	≥ -3
Maximum Testing Distance	3km

Ordering Information

CLR-OTDR-M/S	Singlemode & Multimode OTDR, 850/1310/1550nm, 20/30/28dB
CLR-OTDR-SM	1310/1550nm 32/30dB Built-in Visual Fault Locator