ADVANCED SM+MM OTDR

Dual-Wavelength, Three-Wavelength, Four-Wavelength

1310/1550, 850/1300, 1310/1490/1550, 1310/1550/1625, 1310/1550/1650, 850/1300/1310/1550



I. INTRODUCTION

This OTDR series Optical Time Domain Reflectometer (OTDR) is the new generation of intelligent meter for the detection of fiber communications systems. With the popularize of optical network construction in cities and countryside, the measurement of optical network became short and disperse, it is specially designed for that kind of application, its economic and also have outstanding performance.

These series OTDR can test dual wavelengths, three wavelengths and four wavelengths: 1310nm/1550nm, 850nm/1300nm, 1310nm/1550nm, 1310nm/1550n

The OTDR series is mainly used to measure the length, loss and connection quality of all kinds optical fiber cables. It can also be widely used in engineering construction, line maintenance & testing, emergency repair, the development and production of optical fiber cables.

II. FEATURES

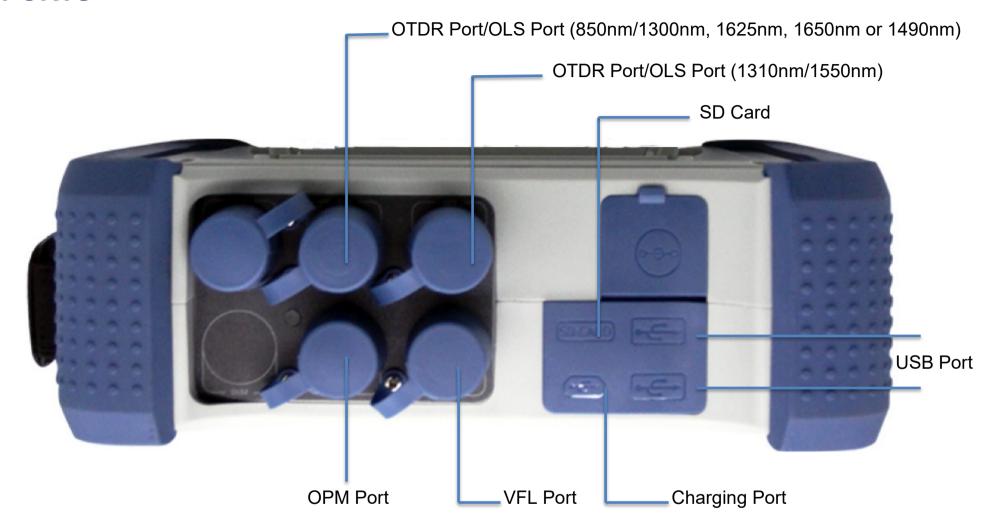
- -- Integrated design: smart and rugged
- -- Small and light: easy to carry
- -- Battery indicate function
- -- Long working hours for outdoor operation
- -- Warning function could prevent OTDR damaged from optical signal
- -- Multi-measuring mode, simple to use, finish measurement by just one button
- -- Real-time measuring function: convenient to monitor the splicing process
- -- Integrated with 8G internal memories: store more than 80000 groups of curve
- -- Provide data simulation software to process, generate and print report
- -- 1625nm online detection module with filter is available as an option for an online FTTx/PON detection
- -- Standard function: OTDR, Visual Fault Locator, Optical Laser Source, Optical Power Meter



III. MAIN MENU



IV. PORTS



V. SPECIFICATIONS

OTDR Module		
Sub Model	FOMS-F2-OTDR-MM-8513-FCSCST	FOMS-F2-OTDR-MM-SM-FCSCST
Fiber Type	MM Fiber	SM+MM
Wavelength (nm)	850,1300	1310,1550, 850,1300
Dynamic Range (dB)	20/26	32/30/20/26
Event Dead Zone	1m	
Attenuation Dead Zone	5m	5m
Testing Distance	500m/2km/5km/10km/20km/40km/80km/120km/160km	
Pulse Width	3ns/5ns/10ns/20ns/50ns/100ns/200ns/500ns/1µs/2µs/5µs/10µs/20	us
Measurement Time	Use-defined (smart link); with real-time measurement function	
Linearity	≤0.05dB/dB	
Loss Threshold	0.01dB	Britis and Aller
Loss Resolution	0.001dB	Trailer Programme Committee Committe
Distance Resolution	0.01m	
Sampling Resolution	Minimum 0.25m	
Sampling Point	Maximum 128,000 points	
Distance Accuracy	±(1m+measuring distance×3×10 ⁻⁵ + sampling resolution)	
Data Storage	80000 groups of curve	
Interface	3 USB Ports	O Rosella Control
Adapters	FC/PC, SC/PC, ST/PC	Ar inter City
VFL Module (S	tandard)	
Wavelength	650nm	
Output Power	10mw	
Working Mode	CW/2HZ	
Adapters	2.5mm Universal	

Optical Power Met	er Module (Standard)		
Wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm		
Measurement Range	-50dBm~+26dBm or -70dBm~+10dBm		
Adapter	FC/PC, SC/PC, ST/PC		
Optical Laser Sou	rce Module (Standard)		
Wavelength (nm)	Same with OTDR Wavelengths	OLS 2019/08/23 14:43	BŸ₩⊞
Fiber Type	SM/MM		cw
Output Power	>-5dBm		270Hz
Adapter	FC/PC, SC/PC, ST/PC		
General Paramete	rs	(3:0 m 850 m (550 m (300 m	1kHz 2kHz
Language	Chinese/English	* 1220m (31111m	OFF
Display	7 Inch Capacitive Touching Screen		
Interface	3 USB Ports		
Power Supply	7.4V, 6600mAh Lithium Battery		♠ 5
Continuous Working Time	8~10 Hours		
Working Temperature	-10°C ~ +50°C		
Storage Temperature	-20°C ~ +75°C	OIDR	(1)
Humidity	≤90% (non-condensation)		9
Dimension	230mm x185mm x 70mm		
Weight	≤1.5kg (battery included)		

VI. APPLICATIONS

- -- Measure the loss of splicing points, optical connectors and adapters.
- -- Measure the loss of single fiber or cable
- -- Measure the length of cable, set different refractive index for various fibers.
- -- Locate the position of broken point, optical connector and adapter.
- -- Measure the discrete reflection ratio between SR points.
- -- Measure return loss for whole fiber circuit including connecting points and s points.