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Ascentac Optical Time Domain Reflectometer

Ascentac OTDR700



Intelligent and High Integrated Instrument with SmartView Design

Ascentac OTDR700 Series, Optical Time Domain Reflectometer, is an advanced instrument for troubleshooting, measuring and recording status of fiber-optic networks. The high resolution and narrow event dead-zone enable fiber-optic status in installation, operation and maintenance to be analyzed comprehensively and precisely. The feature of power meter, light source, loss meter and VFL makes it a truly multipurpose and ideal instrument for fiber-optic-related measurement.

Ascentac OTDR700 Series utilizes one-touch automatic measurement which can avoid test setup errors and smart view in the linear way which simplifies results interpretation. The distance of each event, total loss, total return loss and Pass/Fail result will be directly indicated. These test results can also be stored and converted to PC for copy and saving as the record for future reference.

Ascentac OTDR700 Series offers on-site technicians the most outstanding performance and incredible experience.

Benefits

- 5 fiber-optic test functions in one unit (OTDR, Power meter, Light source, Loss meter, VFL)
- Event dead zone less than 1.5m & Attenuation dead zone less than 4.5m
- Up to 256000 sampling points
- Multiple-wavelength for single-mode
- One-button operation
- Automatic Pass/Fail analysis

Application

- Construction, deployment and maintenance of FTTH
- CATV network testing
- Metro network testing

Description

- 1 Power status indicator
- 2 Laser-on indicator
- 3 One-touch automatic measurement Intuitive interface for easy use
- 4 Shatter-resistant sleeve & IPx3 (Protected against spraying water)
- (5) Outdoor-enhanced 4.3 inch TFT color touch LCD with backlight function (Comfortable to read display for any abominable environments)

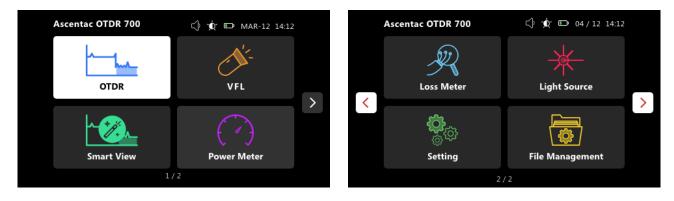
- 6 A stand for hands-free
- ⑦ Dust cap for protecting optical interface a. Visual fault locator (Option)
 - b. Optical power meter (Option)
 - c. Optical time domain reflectometer /
 - Optical light source (Option)
 - d. Power
 - e. USB-A
 - f. Ethernet





Multifunction

The OTDR 700 Series is a highly integrated instrument. It combines all essential fiber testers (OTDR, Power meter, Light source, Loss meter, VFL) in one set. The minimum investment makes the maximum value.



SmartView Design

The OTDR 700 Series not only has the traditional OTDR trace but also makes measured results displayed in icons. Technicians can assess the status of the fiber-optic cable in the easiest and quickest way.

Smart	Smart View	\$ \$ €	Ҁ) (Ó) ⊡ 04/12 14:12		Smart View		☆	
View	Test res	ult Analysi	Analysis of fault			Test result	Ana	lysis of fault
Event	Stop	5		Event	Start	Pass	The bending occ	urs at 4.4 km
Setup		Measuring(15%)		Setup		Splice		litter Connector
						1.0 km 2.5 km		6 km 8.1 km
		1310nm	1550nm				1310nm	1550nm
	Total Loss	dB	dB		Total Loss		8.85 dB	9.52 dB
	Total Return Loss	dB	dB		Total Retu	rn Loss	39.37dB	40.46dB

What is an OTDR?

OTDR, short for optical time domain reflectometer, is designed for testing the performance of newly installed fiber-optic links and detecting problems that may exist.

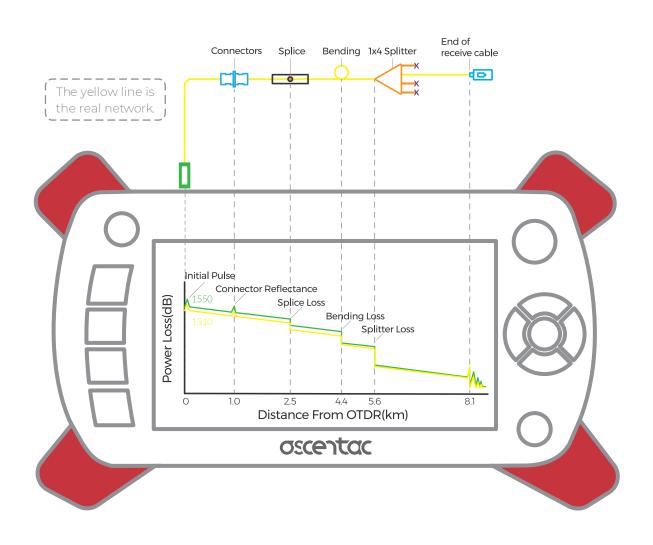
It can calculate the fiber length & attenuation and locate faults. It is an excellent instrument for troubleshooting and fault locating.

How does an OTDR work?

OTDR will send an optical pulse down the fiber and produce a "trace" (a graph of optical power in dB versus the length of the fiber) based on the return signal to present the measurement of the fiber.

The trace can be stored for reference. Comparisons can be made between the original trace and later trace if problems arise.

OTDR Trace Based on the Real Network



Specification

2) 1550 ± 20 & 5 1625 ± 5 28/28					
28/28					
256000					
Display 4.3 inch ultra-bright TFT color touch LCD with backligh					
function Power Supply					
1					
> 6					
backlight)					
0 to +50					
-20 to +60					
Non-condensing					
124 x 225 x 70.5					
850					
A USB JSB OMbps Ethernet RJ-4:					
Standard Accessories Main unit, Resistive touch pen, Adaptor cleaning sticl (2.5mm) 10pcs, Fiber cleaner, Carrying bag, Shoulder strap Built-in lithium battery, Power adapter, Power cord, One year warranty					

Ordering Information

OTDR 01-007XX + A0-0022X OTDR Wavelength & Dynamic Range O 01 : 1310nm, 33dB 02 : 1550nm, 31dB 03 : 1625nm, 31dB 21 : 1310/1550nm, 30/28dBm 22 : 1310/1625nm, 30/28dBm 23 : 1550/1625nm, 28/28dBm

Note : 1. OTDR with built-in SC/PC adaptor.

2.For option of Optical Light Source(OLS), the selection of wavelengths has to be same with OTDR's.

Option				
Visual Function Locator (VFL)				
A1-01104	1mW, built-in universal 2.5mm tip sleeve			
Optical Light Source (OLS) (Please sel	ect wavelength which is same with OTDR's)			
A1-02111	Central Wavelength 1310nm, Output Power -4dBm, Optical Connector SC/PC			
A1-02211	Central Wavelength 1550nm, Output Power -4dBm, Optical Connector SC/PC			
A1-02311	Central Wavelength 1625nm, Output Power -4dBm, Optical Connector SC/PC			
A1-02431	Central Wavelength 1310nm & 1550nm, Output Power -7dBm, Optical Connector SC/PC			
A1-02531	Central Wavelength 1310nm & 1625nm, Output Power -7dBm, Optical Connector SC/PC			
A1-02631	Central Wavelength 1550nm & 1625nm, Output Power -7dBm, Optical Connector SC/PC			
Optical Power Meter (OPM)				
A1-03011	Power Range +6dBm to -65dBm, Optical Connector SC/PC			
Optical Loss Meter (OLM)				
A1-04200	Measurement Range 0 to 65dB			
Battery				
A0-00501	4.2V 13360 mAh Lithium			
Adaptor & Power Cord				
A0-00221	AC Adaptor			
A0-00222	Power Cord with US Plug			
A0-00223	Power Cord with EU Plug			
A0-00224	Power Cord with UK Plug			
A0-00225	Power Cord with AU Plug			
Fiber Optic Cable				
A0-00601	Single Mode 9/125SC/UPC to SC/UPC2m			
A0-00602	Single Mode 9/125SC/UPC to LC/UPC2m			
A0-00603	Single Mode 9/125SC/UPC to ST/UPC2m			
A0-00604	Single Mode 9/125SC/APC to SC/UPC2m			
A0-00605	Single Mode 9/125SC/APC to LC/UPC2m			
A0-00606	Single Mode 9/125SC/APC to SC/APC2m			
A0-00607	Single Mode 9/125FC/UPC to FC/UPC2m			
Adapter Cleaning Sticks - 100 pcs/bo	x			
02-0A110	1.25mm without ESD (Electro-Static Discharge)			
02-0A120	2.5mm without ESD (Electro-Static Discharge)			
02-08110	1.25mm with ESD (Electro-Static Discharge)			
02-0B120	2.5mm with ESD (Electro-Static Discharge)			
Fiber Cleaner - 400 wipes/pc				
02-00411	Reusable Fiber Cleaner1 slot			
02-00412	Reusable Fiber Cleaner2 slots			
02-00421	Cartridge1 slot			
02-00422	Cartridge2 slots			

Example : OTDR 01-00701 Option: A0-00501, A0-00221, A0-00222, A0-00601

Ascentac Inc.



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