

Optical Time Domain Reflectometer

Ascentac OCAMS2168

Description

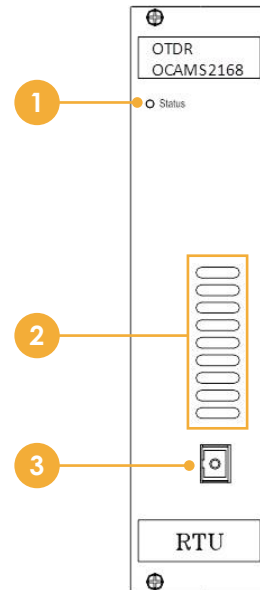
Ascentac FiberTrace OCAMS2168, Optical Time Domain Reflectometer (OTDR), can be mounted in the chassis of Remote Test Unit (RTU). Optical Time Domain Reflectometer (OTDR) is controlled by Monitor Control Unit (MCU). According to the monitoring process, this module will send an optical pulse down the fiber under test. Based on the relationship between the time and the scattered optical power which Optical Time Domain Reflectometer (OTDR) receives, Optical Time Domain Reflectometer (OTDR) can calculate the fiber length and attenuation or locate faults.

High Pass Filter (HPF) must be installed along with Optical Time Domain Reflectometer (OTDR). High Pass Filter (HPF) will filter out transmission signal in the structure of In-Line Monitoring or self-emitting light source from Light Source Unit (LSU) in the structure of Off-Line Monitoring in order to ensure the service life of Optical Time Domain Reflectometer (OTDR).



Appearance

- 1 LED indicator
- 2 Ventilation outlet
- 3 Optical output port for OTDR, connected to optical interface marked M of HPF module



LED Indicator

Item	LED Indicator	Function	LED Status	Description
1	Status	OTDR module operation status	Green	The module operates normally.
			Blinking Green	Transmitting
			Red	The module doesn't operate normally.

Specification

Optical Time Domain Reflectometer (OTDR)	
Model	OCAMS2168
Operation Wavelength (nm)	1625(1605 to 1645)
Dynamic Range (dB) (@SNR=1 , Pulse=20μs)	42
Pulse Width (ns)	5 、 10 、 20 、 50 、 100 、 200 、 500 、 1000 、 2000 、 5000 、 10000 、 20000
Horizontal Resolution (cm)	≤ 50
Vertical Resolution (dB)	≤ 0.01
Refraction Index	1.400000 to 1.599999 , by step of 0.000001
Distance Accuracy	± 1.0m ± (3 x 10-5 x Distance) ± Sampling resolution
Attenuation Dead Zone (m)	≤ 4.5 @ 5ns
Event Dead Zone (m)	≤ 1.5 @ 5ns
Sampling Points (Points)	≤ 256,000 (Depend on test parameters users set)
Size (H x W x D)(mm)	216.5 x 50.3 x 191
Weight (kg)	0.87

| Ordering Information

OCAMS 04-**21680**

Optical Time Domain Reflectometer 

Example : OCAMS 04-21680



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