



Optical Time Domain Reflectometer

Ascentac OCAMS8161

| Description

Ascentac FiberTrace OCAMS8161, Optical Time Domain Reflectometer (OTDR), can be mounted in the chassis of Remote Test Unit (RTU). 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 OTDR receives, OTDR can calculate the fiber length and attenuation or locate faults.

High Pass Filter (HPF) must be installed along with OTDR. 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 OTDR.



Specification

Optical Time Domain Reflectometer (OTDR)	
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 cm
Vertical Resolution (dB)	≤ 0.01 dB
Refraction Index	1.400000 to 1.599999 , by step of 0.000001
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)
Dimension (H x W x D) (mm)	27.1 x 216.5 x 267.8
Features	1. Supports self-diagnostic functionality. 2. Supports hot-swappable operation (hot-plug capability). 3. Supports remote system reboot. 4. Supports remote firmware upgrade.

Ordering Information

OCAMS 04-**81610**

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EXAMPLE : OCAMS 04-81610



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