

cloudOTDR Pro.

Description.

The cloudOTDR is an innovative solution designed to enhance the testing and troubleshooting of fiber optic networks. The cloudOTDR Pro model is equipped with an integrated OTDR which is controlled with a mobile app through our cloudOTDR platform. It is designed to work with a local connected cloudSwitch (sold separately) and cloudOTDR Modular Launch Fiber (sold separately).



Figure 1: cloudOTDR Pro with cloudSwitch and cloudOTDR Launch fibers connected

Due to the integrated high quality OTDR and ability to connect both local and remote installed cloudSwitches it is the best choice in high volume fiber measurement cases for installation, activation and monitoring situations.

Key features.

Feature	cloudOTDR Pro
Application	High volume
Integrated OTDR	Yes
Integrated VFL	Yes
OTDR wavelengths	1310 + 1550 (S), 1625 (O), 1650 (O)
Monitoring capable	Optional
Integrated battery	Yes
External battery	Optional
Internal fiber ports	1
External fiber ports	Refer to cloudSwitch
Remote switching capable	Standard
Connectivity	LAN / 4G

Where multiple options are specified: (S) = Standard, (O) = Optional

Included accessories.

- cloudOTDR power supply
- mobile network antenna with extension cable
- cloudOTDR-cloudSwitch connector cable
- Patchcord SC/APC

Technical specifications 1330+1550.

Item	Specification	Remarks
Wavelength	1310 \pm 25 nm 1550 \pm 25 nm	at 25°C Pulse width: 1 μ s
Distance range	5/10/25/50/100/200/250/400 km	IOR=1.500000
Pulse width	10 ns \pm 30% 30 ns \pm 25% 100 ns \pm 10% 300 ns \pm 10% 1 μ s \pm 10% 3 μ s \pm 10% 10 μ s \pm 10% 20 μ s \pm 10%	
Dynamic range	\geq 40 dB \geq 38 dB	at 25°C, 20 μ s at -5 to +55°C (SNR=1)
Deadzone (Back-scattered light)	\pm 10 m	Pulse width: 10 ns
Deadzone (Fresnel reflection)	\pm 2 m	Pulse width: 10 ns Return loss: \leq 35 dB
Sampling resolution	0.05 to 80 m	IOR=1.500000
Sampling points	Normal mode: 5001, 6251 Fine mode: 20001, 25001	
IOR setting	1.400000 to 1.699999 (per 0.000001)	
Distance measurement accuracy	\pm 1 m \pm 3 \times 10 ⁻⁵ \times measurement distance \pm sampling space (excluding uncertainty caused by fiber IOR)	
Loss measurement accuracy (Linearity)	\pm 0.05 dB/dB or \pm 0.1 dB (whichever is greater)	
Return loss measurement accuracy	\pm 2 dB	
VFL	10 mw	
Dimensions	L: 30 x W: 34 x H: 36 cm	
Battery life	Approximately 1 day	With full load