

OTDR Optical Time Domain Reflector



Product Overview

OTDR cable performance tester, it is adopt the method of time domain measurement, pulses of light emission has a certain width, then returned by detecting fiber Rayleigh scattering and Fresnel reflection signal power distribution curve along the time axis, get measured physical properties of the length of the fiber and loss and so on, at the same time can be joint/welding/bending of fiber link events point/breakpoint for precise positioning, is applied to optical fiber cable monitoring system, fiber optic cable construction and maintenance work.

OTDRs are mainly used in the optical fiber installation and maintenance servicing of access networks and user networks.

Product Features

- The measuring distance is 10~120km
- Measurement blind area is short
- Can cooperate with electronic map for positioning display

Performance Index

Parameters	Unit	Specifications
Dynamic range	dB	30/36/42
Measurement Wavelength	nm	1550/1625 (+/- 20 nm)
Optical Fiber	μm	9/125 SMF
Pulse Width	ns	5ns,10ns,20ns,40ns,80ns,160ns,320ns,640ns, 1.28us,2.56us,5.12us,10.24us,20.48us, Auto
Event Dead Zone	m	≤ 2
Attenuation Dead Zone	m	≤ 10
Minimum Sampling Interval	m	0.25
Maximum Sampling	k	32
Ranging accuracy	m	± (1m+5×10 ⁻⁵ ×distance+ sampling interval)
Connector		SC/UPC
power	W	< 10

Ordering Information 订购信息

OTDR-XX-XX-XX

ITEM	-	Working wavelength	-	Dynamic range	-	Connector
OTDR		15: 1550nm		30: 30dB		SU: SC/UPC
		16: 1625nm		36: 30dB		
				42: 42dB		

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