

OTC2300 Series

CARD OTDR



OTC2300 CARD OTDR test module series is one of OPWILL's modularization test products that design for optical monitoring, and it's an ideal choice for monitoring optical fiber system. Recent years, fiber optic monitoring is used widely in many fields. It includes communication network maintenance, SSC, hazard prevention system and so on. OTC2300 series module provides a compact and high performance solution for fiber optic applications.

- Only design for optical fiber monitoring system;
- Working temperature range is widely;
- High-speed transmission interface of Ethernet data;
- Dead zone is short enough (Event dead zone is 0.8m, attenuation dead zone is 4m), ensure OTC2300 series CARD OTDR test module take a precise test on the whole optical link;
- High linearity index makes OTC2300 have the more precise event test capability;
- 256,000 sampling points and up to 10cm sampling resolution to ensure more accurate judge event site;
- Controller (computer/servicer) can rapid configuration OTC2300 by Ethernet port (compatible 10M/100M Ethernet port and configure IP address by RS232C), OTC2300 series module built-in a set of complete control command, it includes setting, measurement, data transmission and so on.

OTC2300 Series Specifications

SPECIFICATIONS					
Model	OTC2300N-a	OTC2300N-b	OTC2300N-c	OTC2300N-d	OTC2300N-e
Wavelength (nm)	1310	1490	1550	1625	1650
Dynamic range (dB)	38	36	36	38	38
Optical fiber test	10μm/125μm SMF(ITU-T G.652)				
Distance range (km)	0.5, 2.5, 5, 15, 40, 80, 120, 160, 200 km				
Pulse Width (ns)	3, 5, 10, 30, 50, 100, 275, 500, 1000, 5000, 10000, 20000 ns				
Event dead zone	≤0.8m		Sampling points	256 000	
Attenuation dead zone	≤4m		Refractive index	1.30000 – 1.80000	
Linearity	±0.03		Return loss accuracy	±2dB	
Distance accuracy	±(0.75+0.005%× distance+ sampling resolution ratio)				
Automatic measurement	Measurement items: total losses, each event(type, site, loss, reflex) threshold: event threshold(0.01 – 9.99 dB), extreme threshold (1 -99 dB) automatic set-up: distance, pulse width, sampling time				
Manual measurement	loss of two points, event loss, reflectivity				
Laser safety	IEC 60825-1: 2007: CLASS 1 21 CFR 1040.10				
Power source	+12V±1V, 1.5A				
Port	Ethernet port: 10M/100Mself-adaption, 4 pin. RS-232C:115.2kbps (set IP address by RS-232C).				
Physical Characteristics					
Size (H*W*D)	16mm *110mm*160mm		Weight	0.5kg	
Relative humidity	0% to 95% (Non - Condensing)		EMC	EN 61326-1,EN61000-3-2	
Temperature	operating temperature: -10°C to 50°C; storage temperature: -40°C to 70°C				

Order Information		
Category	Model	Description
Standard Configuration		
Test Module	OTC2300N-a	Single wavelength (1310 nm)OTDR module, dynamic range is 38dB
	OTC2300N-b	Single wavelength (1490 nm)OTDR module, dynamic range is 36dB
	OTC2300N-c	Single wavelength (1550 nm)OTDR module, dynamic range is 36dB
	OTC2300N-d	Single wavelength (1625 nm)OTDR module, dynamic range is 38dB
	OTC2300N-e	Single wavelength (1650 nm)OTDR module, dynamic range is 38dB

Note: order information may vary with product updates and please refer to the final version which is our sales provides.

Refer to more information : www.OPWILL.com

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