NK3200 NK4000 NK5600 NK6000 OTDR

Product Drawing

Product Description

OTDR (Optical Time Domain Reflectometer) is an indispensable testing tool in the field of optical fiber communication. It utilizes the transmission and reflection characteristics of light in optical fibers to accurately measure and locate faults in optical fiber networks. OTDR measures and analyzes parameters such as fiber length, attenuation, joint loss, and fault location by sending a series of optical pulses into the fiber and detecting the Rayleigh scattering and Fresnel reflection generated during their propagation in the fiber.

Product features

- It can provide high-precision measurement of fiber optic parameters, including fiber length, attenuation coefficient, fault location, etc., to help users accurately understand the condition of fiber optic networks.
- By detecting reflected signals in optical fibers, OTDR can quickly locate fault points such as breakpoints, poor fusion splicing, and excessive bending in optical fibers, providing important basis for the maintenance and repair of optical fiber networks.
- Support testing of multiple wavelengths, such as 1310nm, 1550nm, etc., to meet the needs of different fiber types and application scenarios.
- Built in intelligent operating system and data analysis software can automatically perform testing, data analysis, and generate test reports, greatly improving testing efficiency and accuracy.
- It has a large capacity data storage function and supports data transmission through various interfaces such as USB and Ethernet, making it convenient for users to manage and share data.
- Some OTDR products also integrate multiple functions such as light source, optical power meter, VFL (visual fault locator), etc., providing users with a one-stop fiber testing solution.

Application

Widely used in various fields of fiber optic communication networks, including long-distance trunk lines, metropolitan area networks, access networks, enterprise networks, FTTX networks, and data centers.

Technical Specifications

Product Parameters

Project	Technical indicators				
Product name	NK3200 OTDR				
Model	NK3200S1	NK3200S2	NK3200D	NK3200F1(live test)	NK3200-F2(live test)
Wavelength	1310nm±20nm	1550nm±20nm	1310/1550±20nm	1310nm±20nm	1550nm±20nm
Dynamic Range	24dB	22dB	24dB/22dB	24dB	22dB
Display	3.5 inches 320X480 LCD				
Data Interface	Micro USB				
Power Supply	AC/DC adapter:input:100V~240V,50/60Hz,0.6A output:5V,2A,Lithium battery:3.7V,4000mAh				
Battery Working	Continuoustest>12h				
Operating Temperature	-10℃～+50℃				
Storage Temperature	-40℃～+70℃				
Relative Humidity	0～95％Non Condensing				
Size	173mm×82mm×37mm				
Weight	≤350g				

Project	Technical indicators				
Product name	NK4000 OTDR				
Model	NK4000-S	NK4000-D	NK4000-F1(live test)	NK4000-F2(live test)	NK4000-T(live test)
Wavelength	1550nm	1310/1550nm	1310nm	1550nm	1610nm
Dynamic Range	24dB	26dB/24dB	26dB	24dB	22dB
Display	4.3 inches 800X480 IPS TFT-LCD Multi touch capacitive touch screen				
Data Interface	USB Type C				
Power Supply	AC/DC adapter:input:100V~240V,50/60Hz,0.6A output:5V,2A,Lithiumbattery:3.7V,4000mAh				
Battery Working	Continuoustest>12h				
Operating Temperature	-10℃～+50℃				
Storage Temperature	-40℃～+70℃				
Relative Humidity	0～95％Non Condensing				
Size	173mm×109mm×45mm				
Weight	≤500g				

Project	Technical indicators
Product name	NK5600 OTDR
Wavelength	1310nm±20nm/1550nm±20nm
Dynamic Range	32dB/30dB
Display	5.6 inch color LCD + touch screen
Power supply	AC/DC adapter：Input：100V～240V，50/60Hz，0.6A；Output：12V~19V，1.5A Lithium battery：7.4V，5200mAh
Working temperature	-10℃～+50℃
Storage temperature	-40℃～+70℃

Relative humidity	0～95%，Non Condensing
Weight	≤1.2kg
Size	208mm×110mm×56mm

Project	Technical indicators													
Product name	NK6000 OTDR													
Model	S1	S2	S3	S4	T1	T2	T3	T4	T5	T6	F1	M1	SM1	SM2
Type	SM											MM	SM/SM	
Wavelength	1310/1550nm				1310nm /1490nm /1550nm		1310nm /1550nm /1625nm		1310nm /1550nm /1650nm		1310nm /1490nm /1550nm /1625nm	850nm /1300nm	850nm /1300nm /1310nm /1550nm	
Display	5.6 inch color LCD + touch screen													
Power supply	AC/DC adapter:Input:100V~240V，50/60Hz，0.6A;Output:12V~19V，1.5A Lithium battery:7.4V，5200mAh													
Working temperature	-10℃～+50℃													
Storage temperature	-40℃～+70℃													
Relative humidity	0～95%，Non Condensing													
Weight	≤1.2kg													
Size	227mmx160mmx70mm													

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