



NK6200 series high-performance OTDR

Product overview



NK6200 series OTDR adopt 7 inch capacitance touch screen, which integrates 9 modules. With excellent intelligent hardware and software design, the accuracy of short fiber test and automatic test is higher. It is equipped with rich Ethernet test (Ping/PPOE, etc), support APP control.

NK6200 series is used to test the optical fiber length, loss and connection quality, and used in the engineering construction, link maintenance test, They are mainly used in urban trunk, bone trunk network and metropolitan area network.

Product features

- 0.5m Event Dead Zone
- Online detection, effective APD active protection
- Support fast charging protocol and power bank
- Ethernet test, supporting Ethernet Remote Test
- Support SM/MM/SM+MM test
- PON network online test
- Maximum dynamic range 45dB
- Mobile APP wireless operation
- Integrate OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/Remote test/File management



7 inch screen
Key + touch operation mode



Detection of online test
Caution function



Two languages input
Nomenclature in Chinese and English



Report printing
Files batch processing



Multi wavelength simultaneous test
Results automatic analysis

NK6200 Technical specifications

OTDR																
Model	S0	S1	S2	S3	S4	T1	T2	T3	T4	T5	T6	F1	M1	SM1	SM2	
Type	SM												MM	SM/MM		
Wavelength	1310/1550nm					1310nm /1490nm /1550nm		1310nm /1550nm /1625nm		1310nm /1550nm /1650nm		1310nm /1490nm /1550nm /1625nm	850nm/ 1300nm	850nm /1300nm /1310nm /1550nm		
MaxDynamicRange(dB)	32/30	35/33	38/36	42/40	45/43	32/30/30	37/35/35	32/30/30	37/35/35	32/30/30	37/35/35	37/35/35/35	26/28	26/28/35/33	26/28/37/35	
Event Blind Zone	0.8m		0.5m			0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.5m	1m			
ATT Blind zone	4m		3.5m			4m	3.5m	4m	3.5m	4m	3.5m	3.5m	6m			
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km															
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us															
Ranging accuracy	± (0.75m+ Sample interval+0.0025% × Test distance)															
Loss accuracy	± 0.03dB/dB															
Sample Points	≥ 256k															
Sample Resolution	0.015m~16m															
Reflection Accuracy	± 2dB															
Loss Resolution	0.001dB															
Loss Threshold	0.01dB															
File Format	SOR Standard File Format															
Loss Analysis	4-point method /5-point method															
Laser Safety Level	Class II															
Refresh Rate	4Hz (Typ.)															
Data Storage	Internal storage: 2GB, 200,000curves; External storage:64GB															
Connector	FC/UPC (Interchangeable SC、ST)															
Data Interface	USB-A, Type-C port, RJ45 LAN 10/100Mbit/s															
OPM																
Wavelength range	800nm~1700nm															
Connector	Universal FC/SC/ST															
Test scope	-50dBm~+26dBm/-70dBm~+6dBm															
Uncertainty	± 5%															
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm															
LS																
Laser Type	FP-LD															
Wavelength	Consistent with OTDR output wavelength															
Output power	≥ -5dBm (SM fiber)															
Mode	CW/270Hz/1kHz/2kHz															
Stability	CW, ±0.5dB/15min (Test after 15 minutes of preheating)															
Connector	FC/UPC (Interchangeable SC、ST)															
VFL																
Wavelength	650nm±20nm															
output power	≥ 10mW															
Mode	CW/1Hz/2Hz															
Connector	FC/UPC (Interchangeable SC、ST)															
The Optical Loss Test index refers to the above light source and optical power meter index.																
Others																
Display	7 inch color LCD+ touch screen Resolution:800×480															
Power supply	Type-C adapter: Input: 100V~240V , 50/60Hz ,Output: 5V/3A,9V/2A,12V/1.5A Lithium battery : 3.7V,10400mAh															
working mperature	-10℃~-+50℃															
Storage temperature	-40℃~-+70℃															
relative humidity	0~95% , Non Condensing															
Weight	≤ 1.2kg															
Size	215mm×160mm×50mm															
Functions of Host: OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/Remote test/File management																

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	AC/DC power adapter	1	
3	U disk (containing analysis software/ User' s Manual)	1	
4	Data line	1	
5	OTDR SC adapter	1	
6	User' s Manual	1	

NO.	Name	Quantity	Remarks
7	Calibration certification	1	
8	Certificate/ Warranty card	1	
9	Clean cotton piece	10	
10	Leather knob	1	
11	Special backpack for instrument	1	