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NK6000 Multi Functional Optical Time Domain Reflectometer

Product overview



NK6000 multi-functional OTDR adopts 5.6 inch color screen, double operation of keys and touch. It integrates of OTDR, Visual Fault Location, Event Map, Optical Power Meter, Light Source, Optical Loss Test, Optical End Face Detection, multi-functions to help customers efficiently solve the field test and maintenance; Intelligent power management, 20 hours of super long standby, efficient guarantee of field test and maintenance.

It is mainly used to measure the length, loss, connection quality and other parameters of all kinds of optical fiber and cable. It can be widely used in engineering construction, emergency repair of communication system of optical fiber communication system, research and production measurement of optical fiber cable.

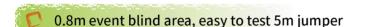
Support SM/MM/SM+MM test

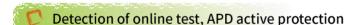
Standard SOR file output format

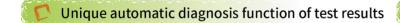
Multi wavelengths simultaneous test

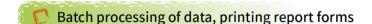
Nomenclature in Chinese and English

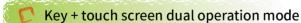
Product features















5.6 inch screen Key + touch operation mode



Detection of online test Caution function



Event Man Intelligent link analysis



One button automatic test Results automatic analysis



Report printing Files batch processing

Concentrative, Dedicated, Professional

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NK6000 Technical specifications

			aa		ОТ	DR								
Model	S1 S2 S3	3 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			
MaxDynamic Range(dB)	35/33 38/36 42/	40 45/43 3	32/30/30	37/35/35	32/30/30	37/35/35	32/30/30	37/35/35	37/35/35/33	26/28	26/28/35/33 26/28/37/35			
Event Blind Zone	1m				0.8m					1m				
ATT Blind zone	6m				6m					6m				
Test Range			5	500 m/1kr	m/2km/4k	m/8km/.	16km/32 k	km/64km	/128km/256k	.m				
Pulse Width	3ns/5	3ns/5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns												
Ranging accuracy		\pm (0.75m+Sample interval +0.005% × Test distance)												
Loss accuracy	±0.05dB/dB													
Sample Points	16k~256k													
Sample Resolution	0.05m~16m													
Reflection Accuracy	±3dB													
File Format	SOR Standard File Format													
Loss Analysis		4-point method /5-point method												
Laser Safety Level	Class II													
Refresh Rate	3Hz (Typ.)													
Data Storage	Internal storage: ≤3000 curves; External storage: 4G bit													
Connector	FC/UPC (Interchangeable SC、ST)													
Data Interface	USB、Mini-USB、10M/100M Ethernet Port													
					OP	M								
Wavelength range	800nm~1700nm													
Connector	Universal FC/SC/ST													
Test scope	-50dBm~+26dBm													
Uncertainty	±5%													
Calibration wavelength			850 n	ım/980nı			n/1490nr	n/1550nn	n/1625nm/16	50nm				
					LS			<u> </u>	<u> </u>					
Wavelength	Consistent with OTDR output wavelength													
Output power	≥-5dBm													
Stability	CW, ±0.5dB/15min (Test after 15 minutes of preheating)													
Connector	FC/UPC (Interchangeable SC、ST)													
Marralanath	VFL (550 + 100													
Wavelength	650nm±20nm													
output power Mode	≥ 10 mW													
Connector	CW/1Hz/2Hz FC/UPC(Interchangeable SC、ST)													
Connector	The Optical Loss Test index refers to the above light source and optical power meter index.													
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					Oth	ers								
Display							CD+tou	ch screen						
Power supply	5.6 inch color LCD + touch screen AC/DC adapter: Input: 100V~240V, 50/60Hz, 0.6A, Output: 12V~19V, 1.5A, Lithium battery: 7.4V, 5200mAh													
working temperature	-10°C~+50°C													
Storage temperature	-40°C∼+70°C													
relative humidity	0∼95%, Non Condensing													
Weight	≤1.2kg													
Size		227mm×160mm×70mm												
Functions of Host: OTI	DR/OPM/VFL/LS	S/Event M	ap/Fiber	End Det	tection (A	Additiona	al purcha	se detec	tor) /Optica	l Loss Tes	t			

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	Touch pen	1	
5	Data line	1	
6	OTDR SC adapter	1	

7	OPM SC adapter	1	
8	User's Manual	1	
9	Calibration certification	1	
10	Certificate/ Warranty card	1	
11	Clean cotton piece	10	
12	Leather knob	1	
13	Special backpack for instrument	1	