#### NovKer

# NK6800 series Optical Time Domain Reflectometer

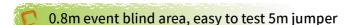
#### **Product overview**



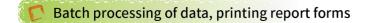
NK6800 series high-performance OTDR adopts 7-inch color screen, which makes the operation easier. It integrates 7 functions to help customers solve the communication link field test and later maintenance more effectively. The maximum dynamic range is 45dB. It can be penetrated through the light splitter to effectively improve the performance in PON network test.

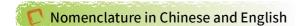
NK6800 series are mainly used to measure the length, loss and connection quality of optical fiber and cable. It is widely used in engineering construction, line maintenance test, emergency repair, development and production measurement of optical fiber and optical cable. It is mainly used in urban trunk line, backbone network and metropolitan area network.

### **Product features**

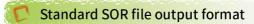


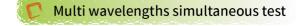


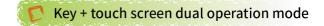


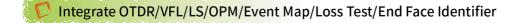














7 inch screen Key + touch operation mode



Detection of online test Caution function



Two languages input



Report printing Nomenclature in Chinese and English Files batch processing



Multi wavelength simultaneous test Results automatic analysis

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### NK6800 Technical specifications

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Model	S1	S2 S	53 S4	T1	T2	T3	T4	T5	T6	F1	M1	SM1	SM2		
Type						SM					MM	SM	/MM		
				121	^	1210			1.0	1310nm		850	nm		
Wassalamath	Ι,	210/15	-0		0nm 90nm		1310nm		10nm	/1490nm	850nm		00nm		
Wavelength	1310/1550nm					/1550nm /1625nm		/1550nm /1650nm		/1550nm	/1300nm		L0nm		
	/1550nm /1625nm /1650nm /1625nm /1625nm						/1625nm		/155	50nm					
MaxDynamicRange(dB)	35/33 3	8/36 42	/40 45/43	32/30/30	37/35/35	32/30/303	7/35/35	32/30/3	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														
Test Range	<u> </u>				500 m/1k	m/2km/4k	m/8km/	16km/3	2km/64km	/128km/256k	i6km				
Pulse Width		500m/1km/2km/4km/8km/16km/32km/64km/128km/256km 3ns/5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns							Ons						
Rangingaccuracy		$\pm$ (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: 200,000 curves; External storage: 4G bit													
Connector		FC/UPC (Interchangeable SC、ST)													
Data Interface		USB、Mini-USB、10M/100M Ethernet Port													
Data Internace						OP		2011/1/20	OTT ECTIONIC						
Wavelength range	Т	800nm~1700nm													
Connector		Universal FC/SC/ST													
Test scope		-50dBm~+26dBm													
Uncertainty								±5%							
Calibration wavelength				850	nm/980r	m/1300nm	/1310nı		nm/1550nn	n/1625nm/16	50nm				
					,	LS	·	,	,	,					
Wavelength	Τ					Consisten	it with O	TDR ou	tput wavele	ength					
Output power		Consistent with OTDR output wavelength  ≥-5dBm													
Stability		CW, ±0.5dB/15min (Test after 15 minutes of preheating)													
Connector		FC/UPC (Interchangeable SC、ST)													
						VF		0							
Wavelength	Т	650nm±20nm													
output power		≥10mW													
Mode	CW/1Hz/2Hz														
Connector		FC/UPC (Interchangeable SC、ST)													
	TI	heOpti	cal Loss T	estinde	x refers t					power meter	index.				
		•							•						
						Othe	ers								
Display	Ι					7 inc	h color	LCD+to	uch screen						
Power supply	AC/DC adapter: Input: 100V~240V, 50/60Hz, 0.6A, Output: 12V~19V, 1.5A, Lithium battery: 7.4V, 5200mAh														
working mperature	<u> </u>	-10°C~+50°C													
Storage temperature	-40°C∼+70°C														
relative humidity	0~95%, Non Condensing														
Weight	≤1.2kg														
Size		227mm×160mm×70mm													
	unctions of Host: OTDR/OPM/VFL/LS/Event Map/Fiber End Detection(Additional purchase detector)/Optical Loss Test														
					T. 15 11 15 15 15 1							and a contract of			

## 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	OPM SC adapter	1	

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