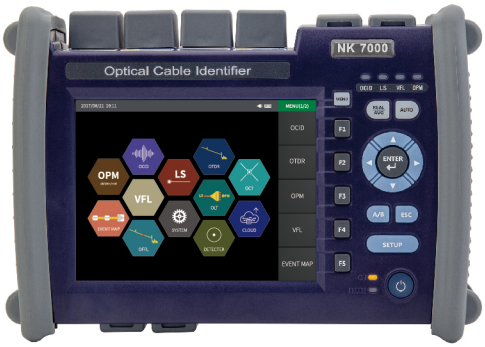
NK7000 Optical Cable Identifier

Product overview



NK7000 series of Optical Cable Identifier are based on the elastic effect of optical fiber, and converts the bending or shaking signal of optical cable into visual and audio signal through coherent demodulation of light, so as to accurately find and identify the target optical cable laid in the environment of man shaft, tunnel, pipeline and over-head pole. It is a new type of nondestructive identification technology for optical cable, which has friendly interface, simple and practical, non-toxic and harmless, and no damage Optical cable and other advantages.

When the target cable is bent or shaken, the OCID can quickly capture the vibration signal and display it through the waveform and sound, so as to quickly locate the target optical cable. It provides the most simple method for the telecommunication engineers and technicians to track and identify the target optical fiber or optical cable clearly.

Product features

- The end is break point, APC or UPC can be tested
- Integrated OTDR, one machine, two tests
- No complicated parameter setting, one key test
- No need to loop back at the far end
- Target is located through audio or visual signals
- Link detection, graphical results display
- Integrated VFL/LS/OPM/Event Map/Loss Test/End Face Identifier

5.6 inch screen Key + touch operation mode	8 functions integration Meet diversified requirements	High sensitivity detection 120km maximum distance	One button automatic test Results automatic analysis	Report printing Files batch processing

NK7000 Technical specifications

OCID							
Model		NK7000-AS1	NK7000-AS2	NK7000-AS3	NK7000-BS1	NK7000-BS2	NK7000-BS3
Measurement method		Single Fiber Testing (No Loop)					
Wavelength		1550nm±20nm					
Test distance		60km			120km		
Unidirectional Optical Cable Loss		14dB			24dB		
Mode	Real-time waveform display	Possess			Possess		
	Real-time audio prompt	Possess			Possess		
Initial Blind Zone		No Blind Zone					
SNR		>10dB					
Fiber Type		G.652					
Connector		APC（Interchangeable FC、SC、ST）					
OTDR							
Fiber Type		G.652					
Wavelength		1550nm±20nm					
Max Dynamic Range		30dB	32dB	36dB	33dB	35dB	37dB
Event Blind Zone		1m					
ATT Blind zone		6m					
Test Range		500m/1km/2km/4km/8km/16km/32km/64km/128km/256km					
Pulse Width		3ns/5ns/10ns/50ns/80ns/160ns/320ns/500ns/ 800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns					
Ranging accuracy		±（0.75m+Sample interval+0.005%×Test distance）					
Loss accuracy		±0.05dB/dB					
Sample Points		16k~128k					
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					
OPM							
Wavelength range		800nm~1700nm					
Connector		Universal FC/SC/ST					
Test scope		-50dBm～+26dBm					
Uncertainty		±5%					
Calibration wavelength		850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm					
LS							
Wavelength		Consistent with OTDR output wavelength					
Output power		⩾-5dBm					
Stability		CW，±0.5dB/15min（Test after 15 minutes of boot-up 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		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，5000mAh					
working temperature		-10℃～+50℃					
Storage temperature		-40℃～+70℃					
relative humidity		0～95%，Non Condensing					
Weight		≤1.5kg					
Size		227mm×160mm×70mm					
Functions of Host:OCID/OTDR/OPM/VFL/LS/Event Map/Fiber End Detection (Additional purchase detector)/Optical Loss Test							

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	OCID/OTDR SC adapter	1	
7	OPM SC adapter	1	

NO.	Name	Quantity	Remarks
8	FC/APC-FC/UPC Jumper	1	
9	User's Manual	1	
10	Calibration certification	1	
11	Certificate/ Warranty card	1	
12	Clean cotton piece	10	
13	Leather knob	1	
14	Special backpack for instrument	1	