NK411 Optical Fiber Identifier

Product overview

The Optical Fiber Identifier instrument uses macro bending technology to carry out nondestructive test on the line, Signal direction and approximate power can be detected at any position of SM/MM fibers. Avoid line interruption caused by misoperation.

Macrobending measurement: The weak optical signal is exposed when the optical fiber is bent, The direction and intensity of the optical signal are detected by judging the direction and intensity of the leakage. No damage to optical fiber and no interruption of communication, It can directly detect 0.25mm bare optical fiber, 0.9mm tight sleeve optical fiber and 3mm jumper.

VFL: The recognizer can be equipped with 10mW VFL to find the fault point of 10km (laboratory value) line.

Low battery monitoring: When the battery is low, yellow or red prompt will be sent to remind the user to replace the battery to avoid interruption of use.

Product features

- No need to cut off the optical fiber ,can effectively identify the direction and frequency
- With the "one touch" operation mode, the operation is simple and convenient
- Universal fixture, bare fiber, pigtail, etc. no need to replace the adapter
- Can test the optical power of the measured optical fiber
- Identify three common signal, 2kHz/1kHz/ 270Hz, beep prompt during recognition
- Using No. 9 dry battery, Low power consumption, Small volume, Easy to carry
- LED indicator is simple and clear
- High transmittance VFL, Easily penetrate long-distance optical fiber, find the fault point

HD code breaking screen display
More delicate display effect

"Push to talk" operation
Simple operation
Easy to use

Highlight LED lighting
Easy to deal with dark environments

9 dry cell
Low power consumption
Easy to carry

Environmental adaptability
-10℃~+50℃

NK411 Technical specifications

Optical fiber identifier		
Identify wavelength range	800～1700nm	
Detector type	InGaAs	
Applicable fiber type	Diameter 0.25mm/0.9mm/2mm/3mm	
Modulation frequency	CW/270Hz/1kHz/2kHz	
Signal direction indication	Left and right LED direction indicators	
Signal direction detection range	-25～+10dBm(1310nm)	
	-30～+10dBm(1550nm)	
Signal power detection range	-30～10dBm	
Signal frequency indication	270Hz/1kHz/2kHz	
Optical fiber direction recognition	Possess	
Power measurement	Possess	
Frequency detection range (average power)	Φ0.9, Φ2.0, Φ3.0	-30～0dBm(270Hz/1kHz)
		-25～0dBm(2kHz)
	Φ0.25	-25～0dBm(270Hz/1kHz)
		-20～0dBm(2kHz)
Insertion Loss (Typ.)	0.8dB(1310nm)	
	2.5dB(1550nm)	
VFL(Optional)		
Wavelength	650nm±10nm	
Output power	⩾10mW	
Optical fiber interface	Universal joint	
Output mode	CW/1Hz	
Others		
Power supply	Alkaline battery, 9V, non rechargeable	
Battery working time	10h	
Working temperature	-10°C～+50°C	
Storage temperature	-40°C～+70°C	
Relative humidity	0～95%RH No condensation	
Size	220mm×48mm×40mm	
Weight	200g	

Ordering Information

NK411Model and function description:

NK411A: with VFL function
NK411B: without VFL function

Configuration list

No.	Name	Quantity	Remarks
1	Host	1	
2	User's Manual	1	
3	Battery	1	
4	Qualification Certificate/ Service Guarantee Card	1	