

NK530 CWDM Optical Power Meter

Product overview



NK530 series CWDM optical power meter is a CWDM optical network channel detector. It is mainly used to measure and monitor the power of up to 6 or 18 CWDM channels. The test power value can be displayed in column graph or list mode, and the power value of a certain channel can also be viewed separately. The whole machine adopts 3.5-inch 320*480 high-definition color LCD, small size, light weight, strong and durable. It can replace the current high-cost spectrometer for testing CWDM, which can provide fast and reliable measurement in various environments. It is specially designed and developed for the installation, acceptance and maintenance of CWDM optical network, and has become a necessary special tool for CWDM access network maintenance and installation.

Product features

- Support 6 or 18 channels wavelength power test
- Easy to carry and easy to operate
- Display test data in column graph or list mode
- 3.5 inch TFT LCD, resolution 320*480
- Single channel power information can be viewed
- User define threshold and stored
- OPM /VFL /RJ45 sequence /cable length/cable tracker
- Portable battery charging



High definition color LCD
Display effect more delicate



6 function integration
Meet diversified requirements



Review of test data
Data display in column graph or list



4000mAh lithium battery
Portable battery charging



Environmental adaptability
-10°C~+50°C

NK530 series Technical specifications

Model	NK530-6	NK530-18
CWDM Optical Power Meter		
Detector type	InGaAs	
Fiber Type	SMF 9/125μm	
Connector	FC/UPC (APC optional)	
Wave Range	1270~1370nm/1271~1371nm	1270~1610nm/1271~1611nm
Power Range	-70~+10dBm	
Channels	6	18
Channel Spacing	20nm	
Channel Band pass	±6.5nm	
Power resolution	0.01dB	
Power accuracy	±0.5dB	
Return loss	>45dB	
Isolation of adjacent channels	≥25dB	
Unit	mW/μW/nW/dBm/dB(REF)	
Data Storage	1000	
Optical Power Meter		
Connector	FC/PC	
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650nm	
Power Range	-70~+10dBm	-50~+26dBm
Unit	mW/μW/nW/dBm/dB(REF)	
Test Accuracy	±0.25dB(5%)	
Resolution	0.01dB	
VFL		
Wavelength	650nm±20nm	
Power	≥10mW	
Mode	CW/1Hz/2Hz	
Connector	Universal joint FC/SC/ST	
RJ45 Cable Length		
Test Distance	≤300m	
RJ45 Cable Sequence		
Test Distance	≤300m	
RJ45 Cable Tracker		
Test Distance	≤300m	
Others		
Display	3.5inch 320*480 Color LCD screen	
Data Interface	Micro USB	
Power Supply	Polymer lithium battery: 3.7V, 4000mAh, Power Adapter: 5VDC, 2A	
Battery Working Time	Stand by>20h; Measuring time>12h	
Working Temperature	-10℃~+50℃	
Storage Temperature	-40℃~+70℃	
Relative Humidity	0~95% No condensation	
Weight	350g	
Size	173mm×82mm×37mm	
Functions: CWDM OPM/OPM/VFL/RJ45 Cable Length/RJ45 Cable Sequence/RJ45 Cable Tracking(need to purchase external Cable Tracker)		

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	including battery
2	Power adapter	1	
3	User's Manual	1	
4	FC / UPC to SC / UPC jumper	1	

NO.	Name	Quantity	Remarks
5	RJ45 Tracker	1	
6	Data Line	1	
7	Backpack	1	
8	Qualification Certificate/After-sales Service Guarantee Card	1	