

NK501 PON Optical Power Meter



Product overview

NK501 PON optical power meter integrates FTTx/PON power meter, Visual Fiber Location, RJ45 cable sequence, cable length and cable tracker test. It can test and judge the optical power value of voice, data and video signals at the same time, and can measure all PON signals and each wavelength separately. It is an ideal choice for PON network engineering, construction and maintenance. Different thresholds corresponding to different wavelengths can be set. PON power meter has the "Pass/Fail" optical fiber certification detection function, which ensures that the service provider can improve the system performance life by verifying the network connectivity, so that the engineering contractor has a high-level key authentication tool to provide reliable network engineering for customers.

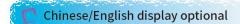
Product features

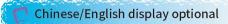


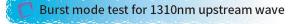
Synchronous test and display of voice, data and video signal

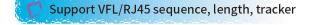


Pass/Fail threshold and calibration wave can be set











High definition color LCD Display effect more delicate



5 function integration Meet diversified requirements Export to computer via data cable



1000 data saved



4000mAh lithium battery Portable battery charging



Environmental adaptability - 10°C~+50°C

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NK501 Technical specifications

PON OPM						
Wavelength	1310±50nm	1490±15nm	1550 ± 10 nm			
Isolation 1310nm		>40dB	>40dB			
Isolation 1490nm	>40dB		>40dB			
Isolation 1550nm	>40dB	>40dB				
Measuring Range	-35~+10dBm	-40~+12dBm	-40~+25dBm			
Uncertainty	≤0.5dB					
Insertion Loss	≤1.5dB					
Detector type	InGaAs					
Display Resolution	0.01dB					
Fiber type	SM 9/125μm					
Connector	FC/UPC (APC optional)					
VFL						
Wavelength	650nm ± 20nm					
Output Power	≥10mW					
Mode	CW/1Hz/2Hz					
Connector	Universal joint FC/SC/ST					
	RJ45 Cable L	ength.				
Measuring Range	≤300m					
	RJ45 Cable S	equence				
Measuring Range	≤300m					
	RJ45 Cable	Tracker				
Measuring Range	≤300m					
	Others					
Display	3.5 inch Color LCD					
External storage	≤ 1000					
Data Interface	Micro USB					
Power Supply	Polymer Li-Battery: 3.7V, 4000mAh, Adapter: 5VDC, 2A					
Battery Life	Standby>20h; Measuring time>12h					
Operating Temperature	-10°C∼+50°C					
Storage Temperature	-40°C∼+70°C					
Relative Humidity	0∼95%Non Condensing					
Size	173mm×82mm×37mm					
Weight	350g					
	FL/RJ45 Sequence/RJ45 Line Tracker(Additional purchase detector)/RJ45 Cable					

length/Flashlight

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	2	

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