

NK307 Technical specifications

PON OPM			
Wavelength	1310±50nm	1490±15nm	1550±10nm
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		
Threshold setting	10groups		
Connector	FC/UPC(Interchangeable SC)		
Others			
Display	Color LCD		
External storage	≤10		
Data Interface	Micro USB		
Power Supply	Three 1.5V AA batteries		
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	186mm×100mm×50mm		
Weight	150g		

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	Including battery
2	User's Manual	1	
3	Qualification Certificate/ Service Guarantee Card	1	
4	FC / UPC to SC / UPC jumper	2	
5	Backpack	1	

NK307 PON Optical Power Meter



Product overview

The NK307PON optical power meter is designed based on ultra-low power single chip microcomputer and color code break screen, with an integrated filter, which can simultaneously test the optical power value of voice, data and video signals. The way it works is to extract a small part of optical signal online at any location in the PON network, which can be measured during the entire FTTx service opening, maintenance and detection stage, reliable verification and ensure that network communication requirements are met.

The NK307PON optical power meter can set 10 groups of judgment thresholds, provide pass, warning or fail status indication for each wavelength, and can save the test results for easy review of the test results, which is ideal for PON network engineering, construction and maintenance.

Product features

- Supports burst mode testing at 1310nm uplink wavelength
- You can set 10 thresholds
- Measurement and alarm thresholds can be set
- Automatic shutdown can be set
- Support simultaneous measurement and display of voice, data and video signals on PON architecture
- Built-in filter to simultaneously test 1310nm uplink signal and 1490nm/1550nm downlink signal in PON system



Color display
The display effect is more delicate



Threshold setting
Alarm/Pass/Fail Judgment



Data storage
Test data review



USB interface
Portable battery charging



Environmental adaptability
-10°C~+50°C