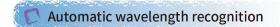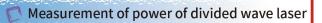# NK308 10G Wavelength Division Optical Power Meter

Product overview

NK308 series OPM with separated wavelengths are mainly used for the installation, test and maintenance of FTTH Optical Access Network. When there are multiple wavelengths of optical signals in an optical fiber, the traditional OPM can not identify the wavelength. Different from the traditional OPM, this series can identify the wavelength and give the power value of each wavelength in the fiber at the same time.

It is mainly used for the power measurement of the down-link signal 1490nm, 1577nm and 1550nm in 10GEPON/XG-PON and RF network, so that the installation and maintenance personnel can truly grasp the power value of the single wavelength optical signal and accurately judge whether the optical power value meets the standard.

Product features

- Automatic wavelength recognition
- Measurement of power of divided wave laser
- Support RF 1550nm wavelength power measurement
- Support automatic shutdown/backlight switch
- Support the simultaneous display of linear mW and nonlinear dBm
- Charging with portable battery
- Support 10G EPON/XGPON downlink wavelength power measurement

Compact appearance
Easy to carry

Ultra low power consumption
72h working time

Wavelength division test
Automatic identify the
wavelength being tested

USB interface
Portable battery charging

Environmental adaptability
- 10℃~+50℃

NK308 Technical specifications

10G PON OPM			
Application scenarios	GPON/EPON	10GEPON/XGPON	RF
Wavelength	1490nm	1577nm	1550nm
Isolation	>35dB	>35dB	>35dB
Measuring range	-40dBm~+10dBm	-40dBm~+10dBm	-40dBm~+26dBm
Uncertainty	±0.5dB		
Connector	FC/UPC (APC optional)		
Detector type	InGaAs		
Display resolution	Linear display：0.1% Logarithmic display：0.01dBm		
Others			
Power Supply	3 AA batteries/Rechargeable lithium battery，2400mAh(optional)		
Automatic shutdown time	10min		
Battery duration	72h（OPM）		
Working temperature	-10°C~+50°C		
Storage temperature	-40°C~+70°C		
Relative humidity	0～95% No condensation		
Dimension	186mmx100mmx50mm		
Weight	240g		

Ordering Information

Type	Function description	Remarks
NK308-D	Single ended/Serial insertion, dry battery	Single ended insertion：No need to interrupt PON network, single end test;
NK308-L	Single ended/Serial insertion, lithium battery	Serial insertion：PON network needs to be interrupted for serial access test.

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	User's manual	1	
3	AA battery	3	Dry battery selected
4	Lithium battery	1	Li-battery selected

NO.	Name	Quantity	Remarks
5	Data line	1	Li-battery selected
6	FC / UPC to SC / UPC jumper	2	
7	Qualification Certificate Service Guarantee Card	1	
8	Backpack	1	