

# NK6200 series lightwave multimeter platform

NK6200

Lightwave multimeter platform



**80dB**

80dB  
Optical attenuator

**OPM**

OPM  
-80dBm~+10dBm



Stable laser source  
 $\pm 0.005\text{dB}$

**LAN**

LAN  
Remote control



Modular design  
Flexible configuration

**NovKer®**

Lightwave multimeter platform series

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NK6200 Series LightWave multimeter Platform is designed for the testing of active/passive optical fiber components, as well as the testing and debugging of optical fiber communication systems, equipment and instruments in the development, development and production process. Internal integrated adjustable optical attenuator, stable laser source, dual channel optical power meter function.

The tunable optical attenuator can provide continuous tunable attenuation of 0 dB to 80 dB/0 dB to 65 dB over a wide wavelength range of 1200 nm to 1700 nm. It has good linearity, attenuation accuracy and repeatability. The instrument has absolute attenuation mode and relative attenuation mode to meet various test needs of customers.

Stable laser source 1310nm & 1550nm dual wavelength. Adopting high precision automatic power control technology and automatic temperature control technology, the long-term power stability of (+0.005dB) is realized, which meets the different performance requirements of users for stable light source.

The dual-channel optical power meter uses a 3 mm low dark current photodetector with large photosensitive surface. It can be used for wide dynamic range, high-precision optical power measurement, high-resolution loss measurement and stability test. Equipped with Ethernet interface and RS232 interface, it can form an automatic test system.

Applications: Mainly used in BER measurement, receiver sensitivity measurement, system sideband analysis, system loss simulation, optical power meter calibration and verification; optical passive device insertion loss, isolation, return loss testing; detector wavelength responsiveness testing; optical fiber, optical cable and optical device environmental characteristics testing and scientific research, research and verification Teaching and metrology.

## Product features

### Variable Optical Attenuator Module

1200-1700 Wide working waveband  
80dB large attenuation range  
Low insertion loss  
High attenuation accuracy  
Gate and attenuation zeroing function

### Optical power meter module

Zero adjustment function  
Wavelength response compensation function  
Data storage, look back, output function  
Splitting ratio and optical loss test function  
LAN and RS232 remote interface

### Stabilized laser source module

$\pm 0.005\text{dB}$  Stability  
Wavelength customizable  
Automatic power control  
Automatic temperature control

## Technical specifications and ordering information

NK6200 series lightwave multimeter platform		
Variable Optical Attenuator	Wavelength range	1200nm ~ 1700nm
	Attenuation range	0dB ~ 60dB
	Linearity	$\leq \pm 0.2\text{dB}$
	Repetition	$\leq \pm 0.04\text{dB}$
	Display resolution	0.01dB
	insertion loss	$\leq 2.0\text{dB}$
Stabilized laser source	Laser type	Butterfly DFB
	wavelength	1310nm/1550nm/1490nm/1625nm/1650nm(option)
	Output power	$\geq +3\text{dBm}$ (option)
	Short term stability (30min)	$\pm 0.005\text{dB}$
	Long-term stability (8h)	$\pm 0.02\text{dB}$
Optical power meter	Wavelength range	800~1700
	Power measurement range	$(-80 \sim +10\text{dBm}) / (-50 \sim +26\text{dBm})$
	Power accuracy	$\pm 0.1\text{dB}$
Optical interface type		FC/UPC
Electrical interface		LAN (RJ45)/USB (B 型)
Display		3.5 寸 (480×320)
Volum		400×215×95 (mm)
Weight		3.5Kg
Operating temperature		10°C~35°C RELATIVE HUMIDITY: $\leq 85\%$ , NON-CONDENSING
Power		220VAC $\pm 10\%$ , 50HZ $\pm 5\%$