NK6200 series lightwave multimeter platform

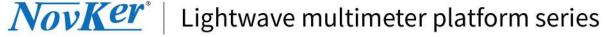
NK6200

Lightwave multimeter platform









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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

±0.005dB Stability Wavelength customizable Automatic power control Automatic temperature control

Technical specifications and ordering information

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Variable Optical Attenuator	Wavelength range	1200nm ~ 1700nm
	Attenuation range	0dB ~ 60dB
	Linearity	≤±0.2dB
	Repetition	≤±0.04dB
	Display resolution	0.01dB
	insertion loss	≤2.0dB
Stabilized laser source	Laser type	Butterfly DFB
	wavelength	1310nm/1550nm/1490nm/1625nm/1650nm(option)
	Output power	≥+3dBm(option)
	Short term stability (30min)	±0.005dB
	Long-term stability (8h)	±0.02dB
Optical power meter	Wavelength range	800~1700
	Power measurement range	(-80~+10dBm)/(-50~+26dBm)
	Power accuracy	±0.1dB
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: ≤85%, NON-CONDENSING
Power		220VAC±10%,50HZ±5%