6362E Spectrometer

Product Description

A high-speed, high-performance spectrum analyzer with a wide wavelength range based on diffraction grating spectrometry technology. The 1200-2400nm spectrum range not only covers the communication wavelength band, but also covers the SWIR region. It can be applied to optical system testing such as DWDM and optical amplifiers; testing of optical active devices such as LEDs, FP-LDs, DFB-LDs, and optical transceivers; testing of optical passive devices such as optical fibers and fiber gratings, as well as measurement testing of environmental sensing and medical applications.

Product features

1200nm~2400nm wide spectral scanning range 、 50pmMin. spectral resolution、 55dB dynamic range、 -70dBmz high sensitivity、 Free space optical input

Part Number

MP-OSA-NIR-2-0.50

Application area

Applicable to optical system testing such as DWDM and optical amplifiers、 Optical active device testing such as LED, FP-LD, DFB-LD, optical transceivers、 Optical passive device testing such as optical fiber and fiber Bragg gratings

Core parameters

Wavelength range	Wavelength Accuracy
1200~2400nm	±0.50nm

General Parameters

Main Parameters:

Parameters	Specification
Spectral range	1200～2400nm
Scan span	0.5～1200nm（Light source output options），0nm

Parameters	Specification
Wavelength accuracy	±0.05nm（1520 ～1580nm）、±0.10nm（1580 ～1620nm）、±0.50nm（Full wavelength range）
Wavelength linearity	±0.01nm（1520 ～1580nm）
Wavelength repeatability	±0.015nm（1min）
Wavelength resolution setting	Standard version： 0.05、0.1、0.2、0.5、1、2nm
Min. sampling resolution	0.002nm
Number of sampling points	101～50001、AUTO
Power sensitivity setting	NORMAL、MID、HIGH1、HIGH2 and HIGH3
Power sensitivity	-70dBm（1800-2200nm）、-67dBm（1500～1800nm，2200-2400nm）、-62 dBm（1300-1500nm）（Sensitivity：HIGH3）
Max. input power	+20dBm（Each channel, full wavelength range）
Max. safe input power	+25dBm（Total input power）
Power accuracy	±1.0dB(1550nm，Input Power： -20dBm，Sensitivity： MID，HIGH1-3)
Power linearity	±0.05dB(Input Power： -30～+10dBm，Sensitivity： MID，HIGH1-3)
Polarization dependence	±0.1dB(1550nm)
Dynamic Range	45dB(Peak±0.4nm，Resolution： 0.05nm） 55dB(Peak±0.8nm，Resolution：0.05nm） （1523nm，Sensitivity ：HIGH1-3)
Applicable optical fiber	SM(9.5/125μm）、MM(GI 50/125μm、GI 62.5/125μm、Large core diameter： Max. 200μ m)

Parameters	Specification
Light source output options	Standard calibration light source、 DFB/FP light source (standard 1550nm, other wavelengths optional), SLED light source (band range optional) Other light source types and accessories can be customized

Note: For devices that do not use the gas absorption cell calibration light source option, wavelength calibration and optical axis alignment can be performed using an external light source.

Appendix 1: Model and Part Number Comparison Table

Title	Spectral Range	Span	Wavelength Accuracy	Wavelength Repeatability	Wavelength Resolution Setting	Min.Sampling resolution
6362E Spectrometer	1200~2400nm	0.5nm~ 1200nm (Full range span), 0nm	±0.05nm (1520-1580 nm)，±0.10nm (1580-1620 nm)，±0.50nm (Full range)	±0.015nm (1 Min.)	Standard version: 0.05、0.1、0.2、0.5、1、2nm	0.002nm