

## 6362C Spectrometer



- **Product Description**

It can measure visible light to near-infrared bands, between 350nm and 1200nm, with high wavelength resolution and wide dynamic range, and can clearly characterize spectral details and accurately restore spectral features. It has a wide range of applications and can accelerate the development and manufacturing of short-wavelength lasers, passive devices and LEDs, as well as equipment using these devices in the fields of biomedicine, material processing, consumer products and healthcare.

## ● Product features

350nm~1200nm wide spectral scanning range、 Wavelength accuracy:  $\pm 0.05\text{nm}$ 、 10pmMin. spectral resolution、 60dB large dynamic range、 -80dBmz high sensitivity、 Applicable to single-mode, multi-mode and large-core optical fibers

## ● Part Number

MP-OSA-VLN-10-0.20

## ● Application area

Acceleration of short wavelength lasers、 Passive devices and LEDs and their use in biomedicine、 Material processing、 Development and manufacturing of devices in consumer products and healthcare

## ● Core parameters

Wavelength range	Wavelength Accuracy
350~1200nm	$\pm 0.200\text{nm}$

## ● General Parameters

Main Parameters:

Parameters	Specifications
Wavelength range	350nm~1200nm
Wavelength Accuracy	±0.200nm
Spectral Resolution Setting	0.02nm, 0.05nm, 0.1nm, 0.2nm, 0.5nm, 1nm, 2nm
Minimum Sampling Resolution	0.001nm
Number of Sampling Points	101~50001, AUTO
Power sensitivity Setting	NORMAL、MID、HIGH1、HIGH2、HIGH3
Power sensitivity	-60dBm(Sensitivity:HIGH3)
Power accuracy	±1.0dB(850nm, -20dBm≤Input Power≤10dBm, Sensitivity: MID)
Dynamic range	60dB(633nm, Peak±0.5nm, Resolution:0.02nm)
Compatible Fiber	SM (9.5/125 μm), GI (50/125 μm, 62.5/125 μm), Large-Core Fiber (up to 800 μm)
Display	12.1-inch Touchscreen
Storage	128GB
Interfaces	USB / Ethernet / VGA
Operating Conditions	Ambient Temperature: 5 °C ~ 35 °C; Humidity: ≤ 80% Guaranteed Performance Temperature: 18 °C ~ 28 °C

Parameters	Specifications
Dimensions (W×H×D)	426 mm × 221 mm × 45 mm
Weight	Approx. 20 kg
Power Supply	100 VAC ~ 240 VAC, 50 Hz / 60 Hz
Maximum Power Consumption	Approx. 100 W

**Appendix 1: Model and Part Number Comparison Table**

Title	Spectral Range	Span	Wavelength Accuracy	Wavelength resolution settings	Min.Sampling resolution
6362C Spectrometer	350~1200nm	0.5nm~850nm(Full range span) , 0nm	$\pm$ 0.05nm(633nm)、 $\pm$ 0.2nm(400~1100nm) (After calibrating the wavelength using a 633nm He-Ne laser.)	0.02、0.05、0.1、0.2、 0.5、1、2、5、 10nm(Full wavelength range)、 and 0.01nm(400~470nm)	0.001nm