

## 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:  $\pm$  0.05nm、 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
<b>Wavelength range</b>	350nm~1200nm
<b>Wavelength Accuracy</b>	±0.200nm
<b>Spectral Resolution Setting</b>	0.02nm, 0.05nm, 0.1nm, 0.2nm, 0.5nm, 1nm, 2nm
<b>Minimum Sampling Resolution</b>	0.001nm
<b>Number of Sampling Points</b>	101~50001, AUTO
<b>Power sensitivity Setting</b>	NORMAL、MID、HIGH1、HIGH2、HIGH3
<b>Power sensitivity</b>	-60dBm(Sensitivity:HIGH3)
<b>Power accuracy</b>	±1.0dB(850nm, -20dBm≤Input Power≤10dBm, Sensitivity: MID)
<b>Dynamic range</b>	60dB(633nm, Peak±0.5nm, Resolution:0.02nm)
<b>Compatible Fiber</b>	SM (9.5/125 μm), GI (50/125 μm, 62.5/125 μm), Large-Core Fiber (up to 800 μm)
<b>Display</b>	12.1-inch Touchscreen
<b>Storage</b>	128GB
<b>Interfaces</b>	USB / Ethernet / VGA
<b>Operating Conditions</b>	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	350~1200 nm	0.5nm~850 nm(Full range), 0nm span), 0nm	± 0.05nm(633nm)、 ± 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