光 学 分 析
Light Analysis

Wireless Photodiode Optical Power Meter

BIM-730X

The BIM-730X series wireless photodiode optical power meter is specifically designed for optical power measurements in space-constrained and portable applications. The series offers three detector material options: Silicon (Si), UV-enhanced Silicon (Si-UV), and Indium Gallium Arsenide (InGaAs), covering a broad spectral range from 200 nm to 1650 nm. Users can select optional OD1, OD2, or OD3 attenuators to further extend the power measurement range.
The device supports Bluetooth wireless communication, enabling real-time power monitoring via a dedicated mobile APP. It can also be connected to a PC via USB for data acquisition and analysis. Its compact structure allows for direct placement on workbenches or mounting via standard threaded holes, adapting to diverse usage scenarios.

Features

- Direct measurement capability for Laser Diodes exhibiting large divergence angles
- Built-in Rechargeable Battery: Up to 6 hours of operation, with Type-C interface for charging and data transmission
- Multi-OS Support: Compatible with Android mobile devices and Windows PC software
- Multiple Mounting Options: Supports direct upright placement or secure mounting via M4/#8-32 standard threaded holes
- Optional Attenuators: Expand power measurement range to accommodate various light intensities

Applications

- Field inspection and maintenance of laser systems or Science instrument
- Optical power testing in confined spaces
- Laboratory optical experiments and power monitoring
- Integrated optical power measurement modules for equipment

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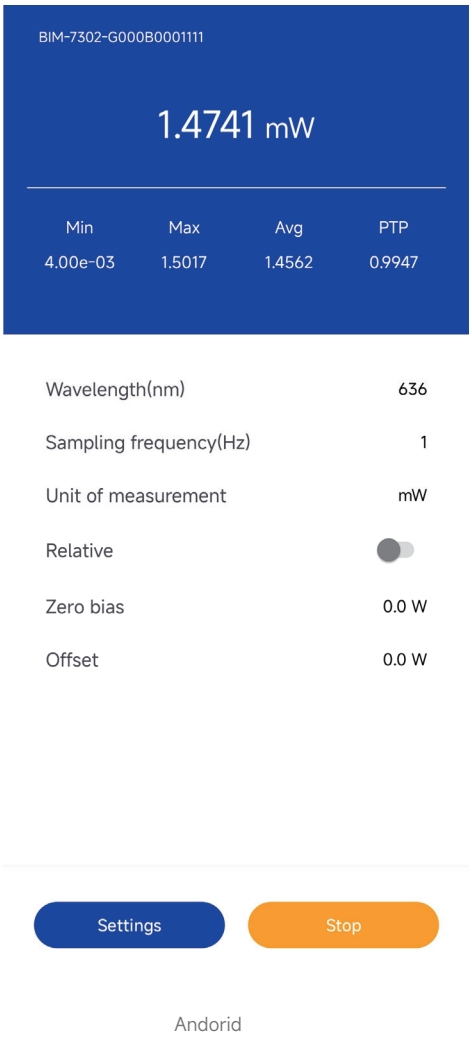
Specifications

Item	Parameter		
Model No.	BIM-7301	BIM-7302	BIM-7303
Detector material	Si	Si-UV	InGaAs
Wavelength range	380nm-1100nm	200nm-1100 nm	800nm-1650nm
Power measurement range	~ 10mW	~ 10mW	~ 10mW
Maximum Average Power Density	10mW/cm^2	10mW/cm^2	10mW/cm^2
Effective Detection Diameter	1 cm	1 cm	0.3 cm
Calibration Uncertainty	±5%		
Fixed holes	1x M4 / 1x #8-32		
Support system	Android/Windows		
Dimensions	55mm x55mmx24.5mm		
Weight	100 g		
Working temperature	5°C -50°C		

UI



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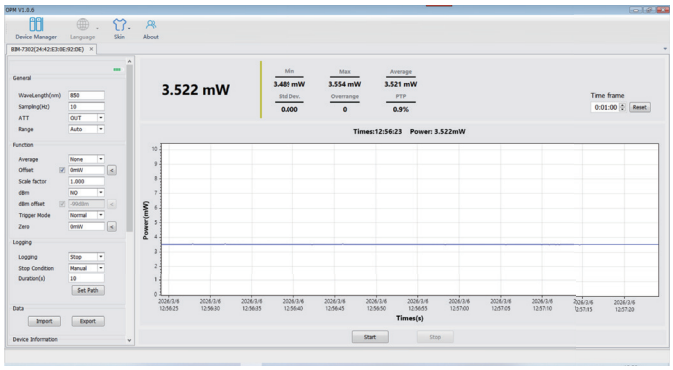
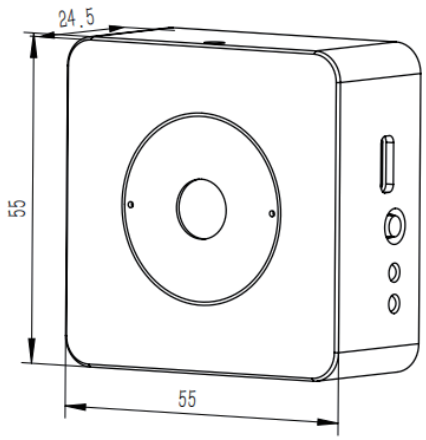


PC

Dimensions (mm)



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