

# ISD-5P-SiUV

<https://www.gigahertz-optik.com/en-us/product/isd-5p-siuv-2>

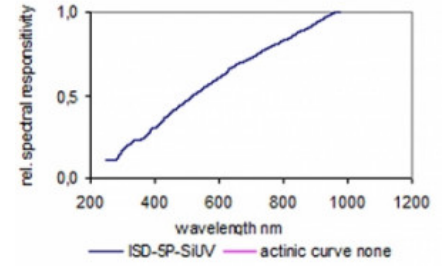
**Product tags: UV , VIS , NIR**



## Description

### Integrating Sphere Detector

The ISD-5P-SiUV integrating sphere detector employ a 50 mm diameter ODM98 coated integrating sphere with 10mm diameter measurement port. The unique collar baffle limits direct irradiation of the detector from dispersed light. The collar baffle enables optional detector ports to be added for additional detectors, fiber connectors or auxiliary use. The ISD-5P-SiUV features a UV-enhanced Si photodiode detector for use in the spectral range from 250 to 1100nm spectral range.



Typical Spectral Responsivity

### Synthetic Coating

Gigahertz-Optik's synthetic ODM98 coating offers almost perfect hemispherical diffuse reflection for best light distribution inside the sphere.

### Traceable Calibrations





Calibration of spectral radiant power sensitivity in W is performed in 10 nm steps from 250 to 1100 nm at Gigahertz-Optik's Calibration Laboratory for Optical Radiation Quantities.

## Specifications

#### Product

Sensor	PD-1101, see <a href="#">datasheet</a>
Coating	ODM98
Sphere diameter	50 mm
Measurement Port Diameter	10 mm
Mounting	M6 and 1/4" threaded holes
typical responsivity	9.6E-5 A/W @ 250 nm 2.5E-4 A/W @ 400 nm 6.1E-4 A/W @ 900 nm

## Configurable with

Product Name	Product Image	Description	Show product
TR-9600		High-speed 1µs or 100ns rise time data logger optometer. Features: Laboratory device for recording of clocked intensity progress readings in single light flashes, flash sequence or modulated light. Calculation of pulse data e.g. peak intensity, pulse length, pulse half width, pulse energy and pulse repeat rate, etc.	<a href="https://www.gigahertz-optik.com/en-us/product/tr-9600">https://www.gigahertz-optik.com/en-us/product/tr-9600</a>
P-9802		Light meter for laboratory use with up to 24 measurement heads. Features: For use with up to 24 photometric and/or radiometric measurement heads. RS232 interface.	<a href="https://www.gigahertz-optik.com/en-us/product/p-9802">https://www.gigahertz-optik.com/en-us/product/p-9802</a>
P-9801		Eight-channel optometer. Features: State-of-the-art 8 channel laboratory optometer with a signal amplifier and sample & hold ADC per channel for clocked recording of the measurement signals. RS232 and IEEE488 interface. Trigger input and output.	<a href="https://www.gigahertz-optik.com/en-us/product/p-9801">https://www.gigahertz-optik.com/en-us/product/p-9801</a>
P-2000		Two-channel optometer. Features: For use with most photometric and radiometric detectors supplied by Gigahertz-Optik. Modes: CW, pulse energy from both single and multiple flashes, effective luminous intensity (Blondel-Rey), data logger and others.	<a href="https://www.gigahertz-optik.com/en-us/product/p-2000">https://www.gigahertz-optik.com/en-us/product/p-2000</a>

## Purchasing information

Article-Nr	Modell	Description
<b>Product</b>		
15298330	ISD-5P-SiUV-1	sphere including detector and calibration certificate
15298331	ISD-5P-SiUV-2	sphere including detector and calibration certificate
15298332	ISD-5P-SiUV-4	sphere including detector and calibration certificate