

ISD-5P-SiUV

<http://www.gigahertz-optik.de/en-us/product/ISD-5P-SiUV-2>

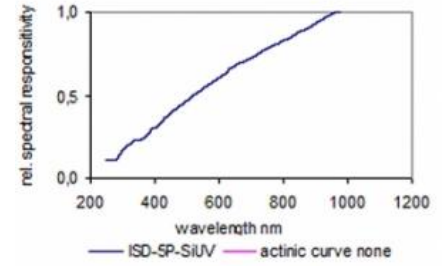
Product tags: UV , VIS , NIR



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 datasheet
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

Produktname	Product Image	Description	Show product
P-9710		<p>High-quality device for measurement of CW-, single pulse and modulated radiation.</p> <p>Features: Optometer for all detector heads with calibration data plug. Measurement modes: CW, pulse energy, dose, peak-to-peak, effective luminous intensity (Blondel-Rey), data logger, battery, main power, RS232</p>	http://www.gigahertz-optik.de/en-us/product/P-9710
P-9710-2		<p>High quality optometer for pulse-energy measurements of short pulses in photometric, radiometric and LASER application.</p> <p>Features: pulse energy measurement, CW, dose, simple and safe detector exchange, battery, main power, RS232</p>	http://www.gigahertz-optik.de/en-us/product/P-9710-2
P-9710-4		<p>High quality optometer for pulse-energy measurements of short pulses in photometric, radiometric and LASER application</p> <p>Features: pulse energy measurement with external Trigger input, CW, dose, simple and safe detector exchange, battery, main power, RS232</p>	http://www.gigahertz-optik.de/en-us/product/P-9710-4
X1		<p>Four-channel USB optometer designed for mobile use.</p> <p>Features: Compact device for use with all photometric, radiometric, colorimetric, plant-physiologic and photo-biologic measurement heads from Gigahertz-Optik. USB interface. Battery operation or power supply USB.</p>	http://www.gigahertz-optik.de/en-us/product/X1
X1-RM		<p>Optometer in 3HE housing for use in 19" racks.</p> <p>Features: Its USB and RS232 remote interface and two additional RS232 device interfaces make the device highly flexible when it comes to system integration. Its four signal inputs enable use with all photometric, radiometric, colorimetric, plant-physiologic and photo-biologic measurement heads from Gigahertz-Optik.</p>	http://www.gigahertz-optik.de/en-us/product/X1-RM
X1-PCB		<p>Optometer module.</p> <p>Feature: The X1 optometer is available as a printed circuit board either with or without a housing and is suited for applications that do not require a keyboard or display. Four signal inputs enable connection with all measuring heads from Gigahertz-Optik.</p>	http://www.gigahertz-optik.de/en-us/product/X1-PCB
P-2000		<p>Two-channel optometer.</p> <p>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.</p>	http://www.gigahertz-optik.de/en-us/product/P-2000
P-9801		<p>Eight-channel optometer.</p> <p>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.</p>	http://www.gigahertz-optik.de/en-us/product/P-9801

Produktname	Product Image	Description	Show product
P-9802		<p>Light meter for laboratory use with up to 36 measurement heads.</p> <p>Features: For use with up to 36 photometric and/or radiometric measurement heads. RS232 interface.</p>	http://www.gigahertz-optik.de/en-us/product/P-9802

Purchasing information

Article-Nr	Modell	Description
Product		
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