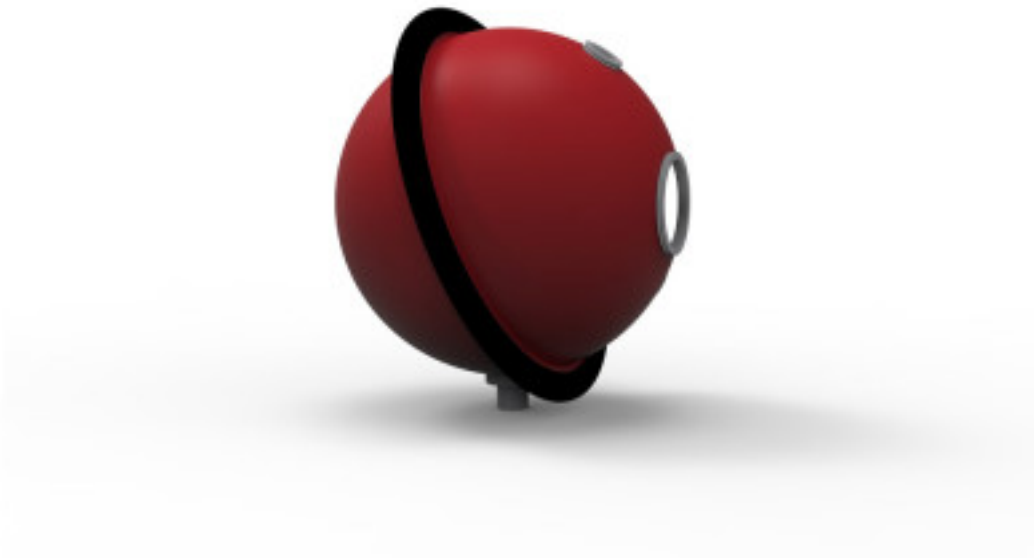
ISD-15

https://www.gigahertz-optik.com/en-us/product/isd-15/

Product tags:



Description

ISD-15 Integrating sphere detector base sphere

The ISD-15 is used as a base sphere for setting up of integrating sphere detectors. Its measurement port has a 38.1mm diameter. The detector port is aligned at a 55° angle to the measurement port. A socket with an M6 connector is used for mounting.

Reflective coating made of barium sulfate

The ISD-15 is coated with Gigahertz-Optik's self-manufactured ODP97 barium sulfate diffusely reflective coating. The multilayer coating guarantees diffuse reflective properties over the entire usable spectral range.

Standard options

- Port reducer for the measurement port
- Baffle between the measurement port and detector. Necessary for highly divergent radiation beams
- SMA light guide connector
- Opening with plug for auxiliary lamp

Complementary products and services

For further enhancement of the ISD-15, Gigahertz-Optik offers a wide range of port adapters and sphere accessories. These can be connected with radiation detectors and light meters for various applications. In addition, the Gigahertz-Optik calibration laboratory for optical radiation measurands performs traceable calibrations of the integrating sphere radiation detectors.

Specifications

General	
ISD-15	Preconfigured hollow sphere of the UM series modular construction integrating spheres with detector applications for 2π sources
Sphere diameter	150 mm / 6 inch
Coating	ODP97
Spectral range	350-2500nm
Socket	UMSS-SM14-M6
Measurement port	UMPF-1.5, Free diameter: 38,1 mm
Detector port	UMPF-0.5, Free diameter: 12,7 mm
Dimensions	see download section

Downloads

Type	Description	File-Type	Download
Datasheet	Dimensions ISD-15 (UMBB-150-S20-D)	pdf	https://www.gigahertz-optik.com/assets/Uploads/umbb-150-s20-d.pdf

Configurable with

Product Name	Product Image	Description	Go to product
UMPB		Detector baffle for the hollow spheres of the UM series modular construction integrating spheres. Features: Schading of ports to ports, ports to light sources, ports to detectors etc. Barium sulfate or synthetical coating.	https://www.gigahertz-optik.com/en-us/product/umpb/
CLS-21		Collimator Light Source for Integrating Spheres	https://www.gigahertz-optik.com/en-us/product/cls-21/

Purchasing information

Article-Nr	Modell	Description
Product		
15298501	ISD-15	ISD-15 Integrating sphere detector base sphere
Accessories		
15298500	ISD-15-Z01	Baffle between measurement port and detector port

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Send us your inquiry or contact us by phone or e-mail. We would welcome your feedback too or review us on Google.

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