

UPK-30-L

<https://www.gigahertz-optik.com/en-us/product/upk-30-l/>

Product tags:



Description

Compact Integrating Sphere

The UPK-30-L integrating sphere is Gigahertz-Optik's most compact size model with ODM98 coating. The 30 mm diameter integrating sphere with 5mm diameter measurement port offers high light throughput required in light sensitive applications within the spectral range from 250 nm to 2500 nm.

Innovative Design

Its unique collar baffle design greatly avoids direct illumination of the detector port from the light input port in a conventional 90° port position sphere design. The baffle also makes it possible to operate up to 4 detectors or fiber light guide connectors on the sphere at the same time. The UP-DP-11 style detector ports provides an interface for direct mounting of Gigahertz-Optik's PD-11, TD-11 and VL-11 type light detectors and UFC-11 type fiber connectors. The basic sphere is equipped with 3 detector ports.

Calibration

Gigahertz-Optik's [ISO/IEC 17025 calibration laboratory](#) offers traceable spectral radiant power sensitivity calibration in the wavelength range from 250nm to 1800nm.



Integrating Sphere UPK-30-L in Custom set-up with four InGaAs Detectors PD-1104.

Specifications

Specification	
Coating	ODM98
Sphere diameter	30 mm
Measurement Port Diameter	5 mm
Detector port	3x UP-DP-11 (e.g. PD-11, TD-11, VL-11, UFC-11)
Mounting	M6 and 1/4" threaded holes

Downloads

Type	Description	File-Type	Download
Drawing	UPK-30-L	pdf	https://www.gigahertz-optik.com/assets/Uploads/100996.pdf

Configurable with

Product Name	Product Image	Description	Go to product
UFC-11		Fiber adapter for use with UP and UM type integrating spheres. Features: SMA, FC, SC and ST connectors.	https://www.gigahertz-optik.com/en-us/product/ufc-11/
VL-1101		Photometric detector head with VL-11 mount. Features: modular detector for use with integrating spheres, front lenses etc. For use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/vl-1101/
TD-11VL01		Photometric, temperature stabilized detector with DP-11 mount	https://www.gigahertz-optik.com/en-us/product/td-11vl01/
PD-11 Series		Detector head with DP-11 mount	https://www.gigahertz-optik.com/en-us/product/pd-11-serie/

Purchasing information

Article-Nr	Modell	Description
Product		
15296248	UPK-30-L	30 mm integrating sphere. ODM98 coating. One detector port.
15310648	PD-11Z-06	PD-11Z-06 Distance Plate
Options		
15298480	UP-DPP	Optional port plug (if one of the three ports is not used)

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