

UPK-100-F

<https://www.gigahertz-optik.de/en-us/product/UPK-100-F>

Product tags:



Description

The UPK-100-F integrating sphere with ODM98 coating is designed for universal use in light intensity, reflectance and transmittance measurement applications.



The 100mm diameter integrating sphere with 15mm diameter measurement and three auxiliary ports in $\pm 8^\circ$ and 0° orientation to the measurement port offers high light throughput required in light sensitive applications within the spectral range from 250nm to 2500nm. The auxiliary ports can be covered with ODM98 coated port plugs when not in use. 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 3 detectors or fiber light guide connectors on the sphere at the same time. The 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.



Gigahertz-Optik's calibration laboratory offers traceable spectral radiant power sensitivity calibration in the wavelength range from 250nm to 1800nm

Specifications

Specification	
Coating	ODM98
Sphere diameter	100 mm
Measurement Port Diameter	15 mm
Measurement Port Diameter	10 mm. Supplied with ODM98 coated plugs
Detector port	1 x UP-DP-11 (PD-11, TD-11, VL-11, UFC-11) Up to three more UP-DP-11 in $\pm 90^\circ$ position can optional supplied
Mounting	M6 and 1/4" threaded holes

Configurable with

Produktname	Product Image	Description	Show product
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.de/en-us/product/VL-1101
TD-11VL01		Photometric, temperature stabilized detector with DP-11 mount. Features: for use with integrating spheres, Operation temperature 50 °C, for use with optometers and signal amplifiers	https://www.gigahertz-optik.de/en-us/product/TD-11VL01

Produktname	Product Image	Description	Show product
PD-11 series		<p>Detector head with DP-11 mount.</p> <p>Features: modular detector for use with integrating spheres, front lenses etc, Si, SiLP, InGaAs, SiC, GaP photodiodes, for use with optometers and signal amplifiers</p>	https://www.gigahertz-optik.de/en-us/product/PD-11-Serie
UFC-11		<p>Fiber adapter for use with UP and UM type integrating spheres.</p> <p>Features: SMA, FC, SC and ST connectors.</p>	https://www.gigahertz-optik.de/en-us/product/UFC-11

Purchasing information

Article-Nr	Modell	Description
15296153	UPK-100-F	100 mm integrating sphere with ODM coating UPK-100-F
	UP-DP-11	Optional detector port on request.