

UPK-100-F

<https://www.gigahertz-optik.com/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.

Calibration

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 +/-90° position can optional supplied
Mounting	M6 and 1/4" threaded holes

Downloads

Type	Description	File-Type	Download
Drawing	UPK-100-F	pdf	https://www.gigahertz-optik.com/assets/Uploads/100916_UPK-100-F.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/
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		
15296153	UPK-100-F	100 mm integrating sphere with ODM coating UPK-100-F

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