

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 |

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| 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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Gigahertz Optik GmbH (Headquarter)

Tel.: +49 (0)8193-93700-0
Fax: +49 (0)8193-93700-50
info@gigahertz-optik.de

An der Kaelberweide 12
82299 Tuerkenfeld, Germany

Gigahertz-Optik, Inc. (US office)

Phone: +1-978-462-1818
info-us@gigahertz-optik.com

Boston North Technology Park
Bldg B - Ste 205
Amesbury, MA 01913 USA