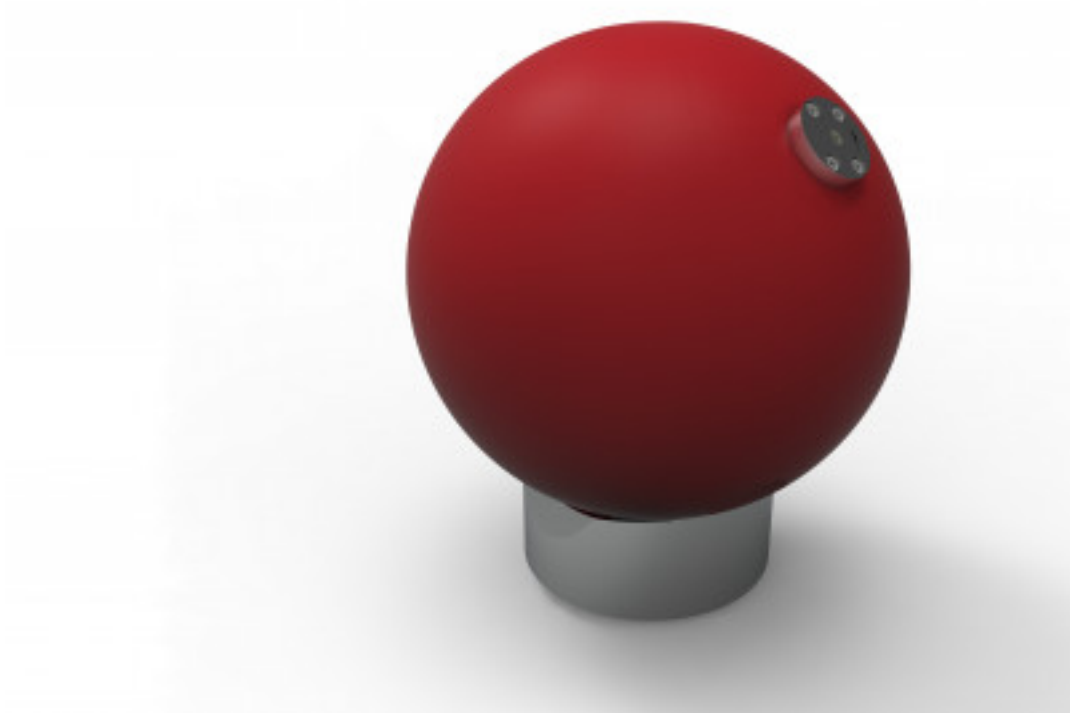


# UMTK-150

<https://www.gigahertz-optik.com/en-us/product/umtk-150/>

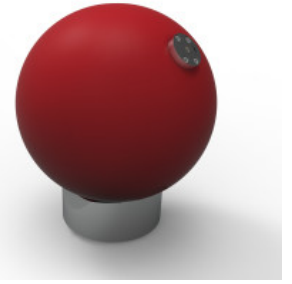
**Product tags:**



## Description

### Modular integrating sphere concept

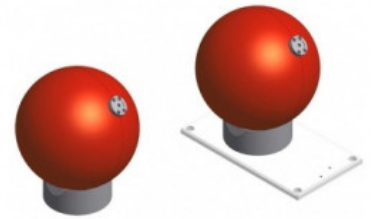
The modular integrating sphere concept from Gigahertz-Optik offers a high flexibility level when it comes to individual configuration of integrating spheres. In addition to the various components such as port frames, baffles and sockets that can be directly mounted onto the integrating sphere, numerous other accessories are offered for configuration of application-ready integrating spheres and integrating sphere measurement systems.



*150 mm Ø hollow sphere*

### Base sphere with 150mm / 6 inch diameter

The starting point of every individually configured integrating sphere is a hollow sphere. The hollow sphere of the UMTK-150 has a 150mm (6 inches) internal diameter.



*Version with baseplate available*

### Reflective coating made of synthetic ODM98

The UMTK-150 has a diffusely reflective coating made of ODM98. The coating ODM98 guarantees excellent diffuse reflective properties, high reflectance from 250 to 2500nm and UV Radiation stability.

### Sockets

The UMTK-150 is offered with a fix socket and optional plate to fix the filterwheels FW-170 to the sphere.

### Sphere ports with port frames

Sphere ports are usually designed with a port frame onto which the accessories can be mounted. Port frames with free ports with diameters ranging from 12.5 to 63.5mm are hereby offered.

### Baffles

Baffles are placed between sphere openings or in front of detectors and light sources to prevent direct illumination. Different baffle designs and sizes made by ODM98 are available.

### Complementary products

Gigahertz-Optik offers a wide range of port adapters, sphere accessories, radiation detectors and light meters which can be assembled for various applications. Such applications include integrating sphere detectors, integrating sphere light sources and integrating spheres for material properties.

## Specifications

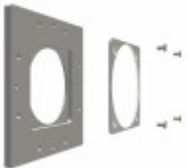


### Specification

max. port frame size	UMPF-2.5 (63.5mm dia)
max. opening	UMMP-100 (100mm dia)
Dimensions	see download section
Sphere diameter	150mm / 6 in
Coating	ODM98, thickness 10mm
Material	Aluminum
	Aluminum, natural anodized

## Downloads

Type	Description	File-Type	Download
Datasheet	Dimensions UMTK-150	pdf	<a href="https://www.gigahertz-optik.com/assets/Uploads/101422-umtk-150.pdf">https://www.gigahertz-optik.com/assets/Uploads/101422-umtk-150.pdf</a>

## Configurable with

Product Name	Product Image	Description	Go to product
UMPF-LSOK30		Port frame for use with the lamp LS-OK30. Features: Optional diffuse window for use between LS-OK30 and the sphere.	<a href="https://www.gigahertz-optik.com/en-us/product/umpf-lsok30/">https://www.gigahertz-optik.com/en-us/product/umpf-lsok30/</a>
UMMP ports		Ports for the hollow spheres of the UM series modular construction integrating spheres. Features: Ports without port frames for small wall thickness.	<a href="https://www.gigahertz-optik.com/en-us/product/ummp/">https://www.gigahertz-optik.com/en-us/product/ummp/</a>
UMPB		Detector baffle for the hollow spheres of the UM series modular construction integrating spheres. Features: Shading of ports to ports, ports to light sources, ports to detectors etc. Barium sulfate or synthetical coating.	<a href="https://www.gigahertz-optik.com/en-us/product/umpb/">https://www.gigahertz-optik.com/en-us/product/umpb/</a>

## Purchasing information

<b>Article-Nr</b>	<b>Modell</b>	<b>Description</b>
<b>Product</b>		
101422	UMTK-150	Integrating sphere base model with 150mm diameter
<b>Options</b>		
15297233	UMT-Z01	Bottom plate to be mount to the stand of UMT-150.

## Contact, Calibration, Service & Support

We are known worldwide for excellent technical consulting and after sales support. Contact us to find together the best solution for you. Our services:

- Technical Consulting & Sales
- After-Sales Support
- Calibrations & Re-Calibrations ([ISO/IEC 17025 Calibration Services](#), [factory calibration](#), [Calibration of Third-Party Products](#))
- Repairs & Updates
- OEM & Feasibility Consulting of Customized Solutions

[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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