

# UMLA-SHAP-E14

<https://www.gigahertz-optik.com/en-us/product/umla-shap-e14/>

**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 port adapters with different functions are offered.



*Lamp test socket E14*

### Precision test socket with a 4-pole holder

Test sockets are used for fixation and operation of lamps with standard lamp sockets. Precision test sockets have a 4-pole holder. This makes it possible to have two separate circuits, one for lamp supply and the other for measurement direct on the socket. In this method, the voltage measurement is free from voltage drops in the supply line and in the socket, which would be inevitable if measurement was performed in the supply circuit.

### Precision test socket for E27 lamps

The UMLA-SHAP-E14 precision test socket has a 4-pole holder that enables precision voltage measurement on the E14 lamp socket. The test socket is attached on a pole for mounting in SHAP holders. .

### More complementary products

Gigahertz-Optik offers a wide range of port adapters, light sources, radiation detectors and light meters which can be combined for various applications.

## Specifications








#### Specification



UMLA-SHAP-E14-IS100	Precision test socket for UMSH-AP-1000 and UMSH-STEX
UMLA-SHAP-E14-IS50	Precision test socket for UMSH-AP-500
Connector	2-supply lines, 2-measurement lines
Coating	White powder coating
Dimensions	see download section

## Downloads

Type	Description	File-Type	Download
Datasheet	Dimensions UMLA-SHAP-E14-IS50	pdf	<a href="https://www.gigahertz-optik.com/assets/Uploads/umla-shap-e14-is-50.pdf">https://www.gigahertz-optik.com/assets/Uploads/umla-shap-e14-is-50.pdf</a>
Datasheet	Dimensions UMLA-SHAP-E14-IS100	pdf	<a href="https://www.gigahertz-optik.com/assets/Uploads/umla-shap-e14-is-100.pdf">https://www.gigahertz-optik.com/assets/Uploads/umla-shap-e14-is-100.pdf</a>

## Configurable with

Product Name	Product Image	Description	Go to product
UMTB-500-HF		Preconfigured hollow sphere of the UM series modular construction integrating spheres	<a href="https://www.gigahertz-optik.com/en-us/product/umtb-500-hf/">https://www.gigahertz-optik.com/en-us/product/umtb-500-hf/</a>
UMTB-1000-HFT		Sphere for the luminous flux measurement of 2π and 4π light fixtures inside a sphere. Features: Turnable Integrating sphere with a 1000 mm diameter, extra measurement ports for 2π luminaires with diameters of up to 254mm and auxiliary lamp.	<a href="https://www.gigahertz-optik.com/en-us/product/umtb-1000-hft/">https://www.gigahertz-optik.com/en-us/product/umtb-1000-hft/</a>
ISD-100HF-BTS2048-VL		System for the Luminous Flux Measurement of 2π and 4π Light Sources	<a href="https://www.gigahertz-optik.com/en-us/product/bts2048-vl-isd-100hf-v06/">https://www.gigahertz-optik.com/en-us/product/bts2048-vl-isd-100hf-v06/</a>
UMTB-1000-HF		Preconfigured 1m Integrating Sphere Detector	<a href="https://www.gigahertz-optik.com/en-us/product/umtb-1000-hf/">https://www.gigahertz-optik.com/en-us/product/umtb-1000-hf/</a>
ISD-100HFT-BTS256-LED		System for the luminous flux measurement of 2π and 4π light fixtures. Features: Turnable Integrating sphere with a 1000 mm diameter, extra measurement ports for 2π luminaires with diameters of up to 254mm and auxiliary lamp. Light meter for accurate measurement of luminous flux, spectral radiant power, CCT, CRI, chromaticity coordinates, User software, etc.	<a href="https://www.gigahertz-optik.com/en-us/product/bts256-led-isd-100hft-v01/">https://www.gigahertz-optik.com/en-us/product/bts256-led-isd-100hft-v01/</a>
ISD-100HFT-BTS2048-VL		System for the luminous flux and light color measurement of individual 2π and 4π light light sources. Features: Turnable Integrating sphere with 100cm diameter, auxiliary lamp and a hemispherical shell for opening and closing, compact spectral light meter with Bi-Tec sensor for accurate measurement of the luminous flux, spectral radiant power, CCT, CRI, chromaticity coordinates, etc.	<a href="https://www.gigahertz-optik.com/en-us/product/bts2048-vl-isd-100hft-v03/">https://www.gigahertz-optik.com/en-us/product/bts2048-vl-isd-100hft-v03/</a>
ISD-100HF-BTS256-LED		System for the Luminous Flux Measurement of 2π and 4π Light Sources	<a href="https://www.gigahertz-optik.com/en-us/product/bts256-led-isd-100hf-v01/">https://www.gigahertz-optik.com/en-us/product/bts256-led-isd-100hf-v01/</a>

Product Name	Product Image	Description	Go to product
ISD-100HF-V02-BTS256-LED		System for the luminous flux measurement of $2\pi$ and $4\pi$ light fixtures inside a sphere. Features: Integrating sphere with a 1000 mm diameter, extra measurement ports for $2\pi$ luminaires with diameters of up to 254mm and auxiliary lamp. Light meter for accurate measurement of luminous flux, spectral radiant power, CCT, CRI, chromaticity coordinates, User software, etc.	#
ISD-50HF-BTS256-LED		System for the luminous flux measurement of $4\pi$ (optional $2\pi$ and $4\pi$ ) light fixtures inside a sphere. Features: Integrating sphere with 50cm hemispherical shell for opening and closing and auxiliary lamps. Light meter with Bi-Technology sensor for accurate measurement of luminous flux, spectral radiant power, CCT, CRI, chromaticity coordinates, etc.	<a href="https://www.gigahertz-optik.com/en-us/product/isd-50hf-bts256-led/">https://www.gigahertz-optik.com/en-us/product/isd-50hf-bts256-led/</a>

## Purchasing information

Article-Nr	Modell	Description
<b>Product</b>		
15298184	UMLA-SHAP-E14-IS100	Precision test socket for 1000mm spheres.
15298178	UMLA-SHAP-E14-IS50	Precision test socket for 500mm spheres.

## 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

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