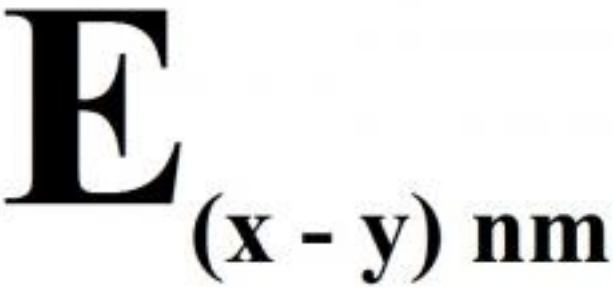
KLW-S1

http://www.gigahertz-optik.de/en-us/product/KLW-S1

Product tags: UV , VIS , NIR



Description

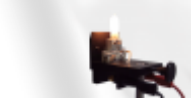
A more economically priced calibration than KLD-S1 with slightly higher calibration uncertainties called the KLW spectral irradiance calibration is available which includes a factory certificate. The device data, calibration procedure, calibration uncertainty, environmental conditions as well as the traceability data back to the national standards laboratory are confirmed in the certificate.

The lamp power range is unlimited. Wavelength range is from 250 nm to 2500 nm.

Specifications

Wavelength Dependent Calibration Uncertainty		
Measured Quantity	Spectral Irradiance in W/(m² nm) of Optical Radiation Sources	
Note	Power range >100 W. Measurement uncertainty may increase depending on lamp type	
KLW-S1	Wavelength nm λ=250 λ=260 270 ≤ λ <400 400 ≤ λ<800 800 ≤ λ <2000 2000 ≤ λ ≤ 2500	Relative Measurement Uncertainty ± 12 % ± 8 % ± 4.5 % ± 3.5 % ± 5.5 % ± 8.5 %
Calibration Steps	10 nm from 250 to 300 nm; 20 nm from 320 to 800 nm; 50 nm from 850 to 2500 nm	

Configurable with

Produktname	Product Image	Description	Show product
BN-LH250		Calibration lamp for spectral irradiance and illuminance. Features: 250 W halogen lamp with stable and therefore long-lasting, helical structure. Lamp holder, crosshair. Calibration in spectral irradiance, 250 nm - 2500 nm, and/or illuminance, with factory or DAkkS certificate, optional power supply.	http://www.gigahertz-optik.de/en-us/product/BN-LH250
BN-9101		Calibration standard lamp for spectral irradiance. Features: 1000W tungsten halogen lamp. Burn-in certificate. Stable filament. Horizontal calibration from 250-2500nm with factory or DAkkS certificate.	http://www.gigahertz-optik.de/en-us/product/BN-9101

Produktname	Product Image	Description	Show product
BN-0001		Calibration standard lamp for spectral irradiance. Features: 1000W tungsten halogen lamp. Burn-in certificate. Stable filament. Vertical calibration from 250-2500nm with factory or DAkkS certificate.	http://www.gigahertz-optik.de/en-us/product/BN-0001

Purchasing information

Article-Nr	Modell	Description
	Calibration	
	KLW-S1-01	Spectral Irradiance calibration within the wavelength range 250 to 400 nm with factory certificate
	KLW-S1-02	Spectral Irradiance calibration within the wavelength range 400 to 1100 nm with factory certificate
	KLW-S1-03	Spectral Irradiance calibration within the wavelength range 1100 to 2500 nm with factory certificate
	KLW-S1-04	Spectral Irradiance calibration within the wavelength range 250 to 1100 nm with factory certificate
	KLW-S1-05	Spectral Irradiance calibration within the wavelength range 400 to 2500 nm with factory certificate
	KLW-S1-06	Spectral Irradiance calibration within the wavelength range 250 to 2500 nm with factory certificate
	KLW-S1-RP	Set-up charge for non-Gigahertz-Optik sources