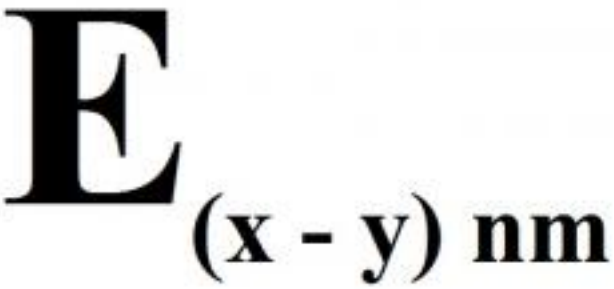
KLD-S1

http://www.gigahertz-optik.de/de-de/produkt/KLD-S1

Produkt-Tags: UV , VIS , NIR



Überblick

Since July 1994, the Gigahertz-Optik calibration laboratory for optical radiation measurement quantities has been accredited by the DKD accreditation institution (Registration Number DKD-K-10601) actual DAkkS (D-K-15047-01-00) for the calibration of Spectral Irradiance. The ISO/IEC/EN 17025 (formerly ISO/IEC Guide 25, known as ANSI/NCSL Z540-1, and EN45001) accreditation assures the competency of calibration laboratories to carry out specific tests or calibrations and forms the basis of the lab's quality system.

For quartz-halogen lamps and incandescent sources in the power range from 250 W to 2000 W, spectral irradiance calibration with an official DAkkS calibration certificate is available. These lamps are calibrated against one G-O calibration laboratory BN-9101 1000 W FEL Type quartz-halogen lamps (PTB calibration certification for wavelengths from 250 to 2500 nm). The reference sources are periodically recalibrated by the PTB.

Intercomparison measurements of the source under test, such as the BN-9101 (See Calibration Standards section), to a reference standard source are performed. The complete calibration procedure follows accreditation regulations and is confirmed by a DAkkS calibration certificate supplied with the calibrated source.

The KLD calibration of spectral irradiance produced by the test with DAkkS certificate is performed according to fixed accredited calibration procedures and specifications. The calibration is limited for lamps between 250 to 2000 W in the wavelength range from 250 nm to 2500 nm. The calibration is done by direct comparison to a PTB Reference Standard and is confirmed in the official DAkkS calibration certificate supplied with the calibrated source.

Technische Daten

Wavelength Dependent Calibration Uncertainty	
Messgrößen	Spectral Irradiance in W/(m² nm) of Optical Radiation Sources
Hinweis	Only for incandescent sources power range 250 W ≤ P ≤ 2000 W

KLD-S1	Wavelength nm λ=250 λ=260 270 ≤ λ <400 400 ≤ λ<800 800 ≤ λ <2000 2000 ≤ λ ≤ 2500	Relative Measurement Uncertainty with Reference Standard ± 10 % ± 7 % ± 4 % ± 3 % ± 4.5 % ± 7 %
Kalibrierschritte	10 nm from 250 to 300 nm; 20 nm from 320 to 800 nm; 50 nm from 850 to 2500 nm	

Konfigurierbar mit

Produktname	Produktbild	Beschreibung	Zum Produkt
BN-LH250		Kalibrierstandardlampe für spektrale Bestrahlungsstärke und Beleuchtungsstärke. Features: 250 W Halogenlampe mit stabiler und dadurch langlebiger Wendelstruktur. Lampenhalter. Fadenkreuz. Kalibrierung Beleuchtungsstärke und/oder Bestrahlungsstärke von 250 nm – 2500 nm mit Werk oder DAkkS Zertifikat. Netzteil optional.	http://www.gigahertz-optik.de/de-de/produkt/BN-LH250
BN-9101		Kalibrierlampe für spektrale Bestrahlungsstärke. Features: 1000W Halogenlampe. Einbrennzertifikat. Stabiler Wendel. Horizontale Kalibrierung von 250-2500nm mit Werk oder DAkkS Zertifikat.	http://www.gigahertz-optik.de/de-de/produkt/BN-9101
BN-0001		Kalibrierlampe für spektrale Bestrahlungsstärke. Features: 1000W Halogenlampe. Einbrennzertifikat. Stabiler Wendel. Vertikale Kalibrierung von 250-2500nm mit Werk oder DAkkS Zertifikat.	http://www.gigahertz-optik.de/de-de/produkt/BN-0001

Bestellinformationen

Artikel-Nr	Modell	Beschreibung
	Kalibrierung	
	KLD-S1-01	Spectral Irradiance calibration within the wavelength range 250 to 400 nm with DAkkS certificate
	KLD-S1-02	Spectral Irradiance calibration within the wavelength range 400 to 1100 nm with DAkkS certificate
	KLD-S1-03	Spectral Irradiance calibration within the wavelength range 1100 to 2500 nm with DAkkS certificate
	KLD-S1-04	Spectral Irradiance calibration within the wavelength range 250 to 1100 nm with DAkkS certificate
	KLD-S1-05	Spectral Irradiance calibration within the wavelength range 400 to 2500 nm with DAkkS certificate
	KLD-S1-06	Spectral Irradiance calibration within the wavelength range 250 to 2500 nm with DAkkS certificate

Artikel-Nr	Modell	Beschreibung
	KLD-S1-RP	Set-up charge for non-Gigahertz-Optik or non-standard sources