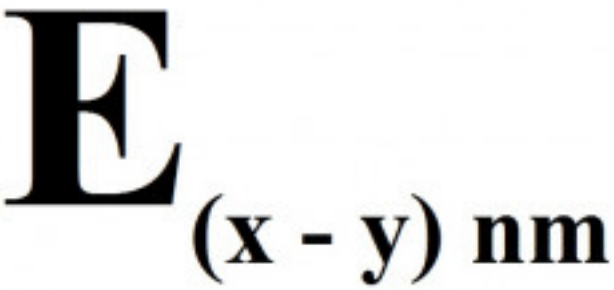
# KLD-S1

https://www.gigahertz-optik.com/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 | Relative Measurement Uncertainty with Reference Standard |
| | λ=250 | ± 10 % |
| | λ=260 | ± 7 % |
| | 270 ≤ λ <400 | ± 4 % |
| | 400 ≤ λ<800 | ± 3 % |
| | 800 ≤ λ <2000 | ± 4.5 % |
| | 2000 ≤ λ ≤ 2500 | ± 7 % |
| Kalibrierschritte | 10 nm from 250 to 300 nm; 20 nm from 320 to 800 nm; 50 nm from 850 to 2500 nm | |

# 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 |
| | KLD-S1-RP | Set-up charge for non-Gigahertz-Optik or non-standard sources |

## Kontakt, Kalibrierung, Service & Support

Wir sind weltweit für unsere hervorragende technische Beratung und unseren Kundendienst bekannt. Kontaktieren Sie uns, um gemeinsam die beste Lösung für Sie zu finden. Unsere Leistungen umfassen:

- Technische Beratung & Verkauf
- After-Sales-Unterstützung
- Kalibrierungen & Re-Kalibrierungen (ISO/IEC 17025 Calibration Services, Werkskalibrierung, Calibration of Third-Party Products)
- Reparaturen und Aktualisierungen
- OEM & Machbarkeitsberatung bei kundenspezifischen Lösungen

Senden Sie uns ihre Anfrage, oder kontaktieren Sie uns telefonisch. Wir würden uns auch über Ihr Feedback freuen oder bewerten Sie uns auf Google.

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