

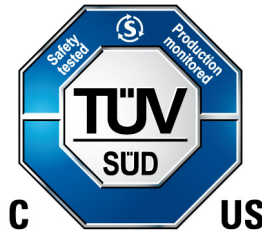
America

CERTIFICATE

No. U8 095104 0009 Rev. 02

Holder of Certificate: **Ocean Optics Inc.**
 3500 Quadrangle Blvd
 Orlando FL 32817
 USA

Certification Mark:



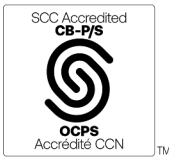
Product: Electrical equ. for measurement, control and laboratory use
 Light Source

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". TÜV SÜD America Inc. is an OSHA recognized NRTL for USA and a Standards Council of Canada ISO/IEC 17065 accredited Certification body for Canada.

Test report no.: 72129632-300

Date, 2025-01-27

(William Stinson)



America

CERTIFICATE

No. U8 095104 0009 Rev. 02

Model(s): HG-2, XE-2, NE-2, AR-2, KR-2, XHG-2, XXE-2, XNE-2, XAR-2, XKR-2

Brand Name: OceanOptics

Tested according to: CSA C22.2 No. 61010-1:2012/U3:2023-06
UL 61010-1:2012/R:2023-06

Parameters:

- Rated Input Voltage: 5 V DC
- Rated Input Power: 10W (External)
- Degree of Protection: IPX0
- Ambient Temperature: 35°C (Max)
- Internal: 3.7 VDC, 2600 mAh Battery

Model Information:

- Models HG-2, XE-2, NE-2, AR-2, KR-2 are light source units offering wavelength calibration for UV to NIR spectrophotometric systems.
- They have the same enclosure profile and circuits for performing fast, accurate spectrometer wavelength calibrations.
- The only model difference between those models is the type of bulb used.
- Models XHG-2, XXE-2, XNE-2, XAR-2, XKR-2 which are exactly the same as models HG-2, XE-2, NE-2, AR-2, KR-2 respectively except that no battery is installed in those units
- Each member of the product line produces distinct lines for calibration as shown below.

Product	Bulb Type	Wavelength Range
AR-2, XAR-2	Argon	696 – 1704 nm
HG-2, XHG-2	Mercury Argon	253 – 1700 nm
KR-2, XKR-2	Krypton	427 – 893 nm
NE-2, XNE-2	Neon	540 – 754 nm
XE-2, XXE-2	Xenon	916 – 1984 nm