

XD-9503

<https://www.gigahertz-optik.com/en-us/product/xd-9503/>

Product tags: UV



Description

TL01 and TL12 light sources are widely used in phototherapy applications. The phototherapeutic effective radiation of the TL01 and TL12 source falls within the 240 nm to 340 nm bandpass with peak at 313 nm. The XD-9503 is specially designed to measure the therapeutic effective UV-B and UV-A irradiance of TL01 and TL12 light sources. The detectors spectral sensitivity functions and calibration using TL1 and TL12 light sources ensure accurate readings.

Traceable calibration

Calibration of the detector UV-A and UV-B effective (W/m²) responsivity is performed by the Gigahertz-Optik GmbH calibration laboratory for optical radiation measurements quantities. As with all light detectors supplied by Gigahertz-Optik calibration of absolute detector responsivity as well as detector individual measured relative spectral responsivity data is included.

Recommended Optometer

X1₁

Specifications

Specification

spectral responsivity Ch 1: UV-A Peak 380 nm: (315 - 400) nm
Ch 2: UV-B Peak 311 nm: (280 - 315) nm

typical responsivity 7 nA/(W/m²)
9 nA/(W/m²)

Max. signal current 100 µA
50 µA

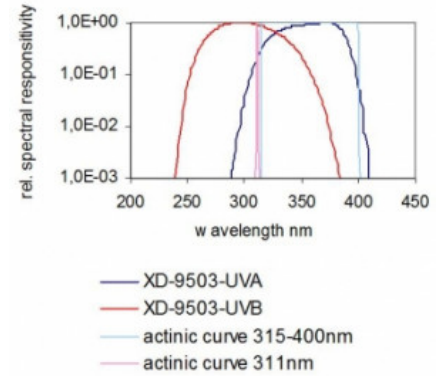
Input optics 8 mm Ø Diffuser

Miscellaneous

temperature range (5 - 40) °C

Cable Length 2 m

Plug Types -4



XD-9503-4 - Typical Spectral Response

Purchasing information

Article-Nr	Modell	Description
Product		
15300371	K-XD9503-I	Recalibration with Calibration Certificate
Calibration		
15300493	K-FOV-02	Measurement of two-cell UV Irradiance detectors cosine field of view function
Re-calibration		
15300571	K-UV-SR	Calibration of relative spectral responsivity from 250 nm to 550nm
15295883	XD-9503 (-4 Connector)	Detector, Calibration Certificate