



INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

Visual radiation sensor type 4.5

V-lambda-radiation

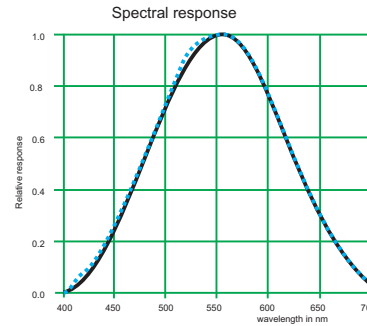
The spectral range of light visible to the human eye is called V-Lambda-Radiation.

The measured value is a depiction of the subjectively perceived brightness. Spectral range extends from the end of UV-light at 400nm to the start of IR-light at 720nm with a maximum at 555nm. The measured value of illuminance in W/m^2 can easily be converted into Lux.

Measuring results are important for any projects involving the human perception of light and the illumination of workplaces.

V-lambda radiation sensor type 4.5

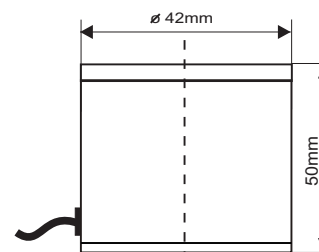
The measuring head may be used in medical and biological research, weather information and forecast systems, climate research, agriculture and engineering. The measuring head type 4.5 has a weatherproof aluminum housing. The dome is made of plastic or flat glass. The values are cosine corrected.



Measuring range V-lambda	0 - ca. 20 klux or o.
spektr. sensitivity	360 nm - 760 nm
max. spectral sensitivity	550 nm
working temperature	-20°C - +60°C
signal output	0 V .. 5 V or similar
power supply	+6V - +24V / <500µA
turn on time	< 1 s
turn off time	< 12 s
installation	2 screws M4 in the ground of body
connector	sideward
diffusor	PTFE
dome	PMMA/flat glass
cosine correction	error f2 < 6%
linearity	< 1 %
abs. error	< 10 %
voltage (E=0)	< 10 mV
weight	ca. 170 g 6 oz

Specifications are subject to change without prior notice.

Dimensions:



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