



INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

Visual radiation measuring head type 4.7

V lambda radiation

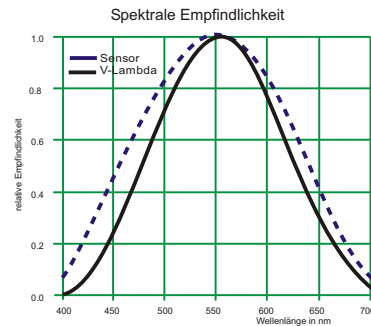
The spectral range of light visible to the human eye is called V-Lambda-Radiation.

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 4.7

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 4.7 has a weatherproof aluminum housing. The dome is made of optical glass. The values are cosine corrected.

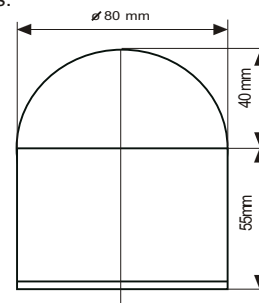


technical specification

Measuring range V-lambda	0 - ca. 170 klx
spectral sensitivity	360 nm - 760 nm
max. spectral sensitivity	550 nm
signal output	-20°C - +60°C
power supply	0V - 2V
turn on time	+10V - +18V / <500µA
turn off time	< 1 s
installation	< 12 s
	2 screws M4
	in the bottom
	downward
connector	PTFE
diffusor	PMMA
dome	error f2 < 3%
cosine correction	< 1 %
linearity	< 10 %
absolute error	< 10 mV
Voltage (E=0)	ca. 300 g
weight	

Specifications are subject to change w/o notice.

Dimensions:



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