Luxmeter



- IP66 lux sensor for outdoor measurements of illuminance intensity in lx
- Large measuring range of up to 150,000 lx
- Accessories to convert the output to 4...20 mA or RS485 signals

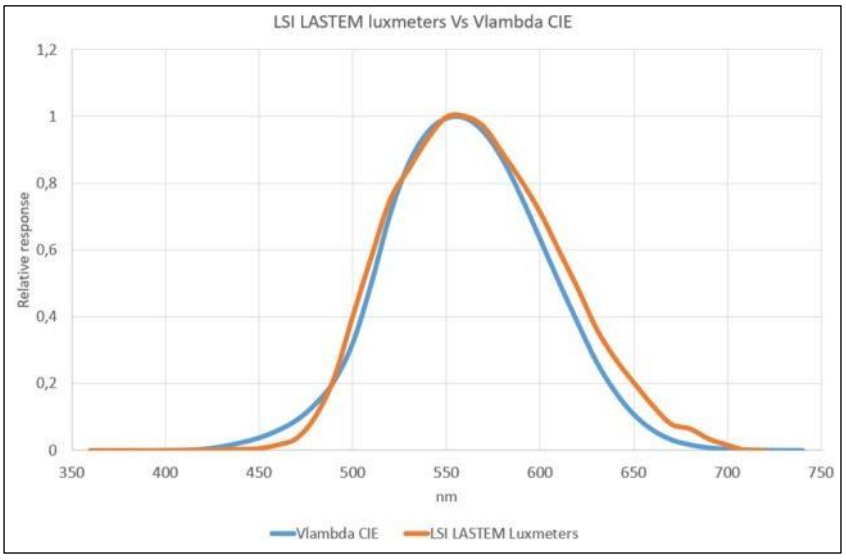
Luxmeter probe for measuring illuminance in long-term outdoor applications with the same response as the human eye (V_{lambda} CIE curve). The sensing element is a photodiode with an optical filter with interference deposition in order to improve spectral transmission. To convert the output to 4...20 mA or Modbus, STB or MSB converters can be used.

Technical features

PN	ESR003A.1
Quantity	Lux
Principle	Photodiode
Spectral field	Curve V_{lambda} CIE
Accuracy	±3%
Measuring range	0...150 klx
Response time	0.1 s
Linearity	< 1%
Recalibration	Every 2 years
Output	0...300 mV
Power supply	7...15 V DC
Consumption	< 0.1 W
Connector	Free Wires (4-Wire)
Housing	Anodized aluminum
Degree of protection	IP66
Cable	L=10 m
Installation (on pole Ø 45...65 mm)	TYA200+TYA050
Data logger compatibility	E-Log, Alpha-Log (using ALIEM module)

Accessories

	**TYA050**	Tubular rod Ø22 th.15/10 L 500 mm
	**TYA200**	Sliding sensor mounting accessory
	SVICA6001	Certificate of ISO9001 Calibrations for Lux Sensors
	**DEA420.1** **DEA420.2**	STB—Signal Transducer Box Lux sensor signal converter Output: 4...20 mA Power supply 10...30 V AC/DC For more technical information, please refer to the MW9008 catalog
	MDMMA1010.1	MSB—Modbus Sensor Box Same features as DEA420.1 but: Output: RS485, Modbus-RTU



Overall response curve of the lux meter with respect to the V_{lambda} CIE curve corresponding to the response of the human eye to daylight.

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