

Brightness Transmitter

Model Nr. 7.1414. 51.X50

Instruments for:
 METEOROLOGY
 HYDROLOGY
 WATER QUALITY
 AIR QUALITY
 AIR & GASFLOW



Brightness Transmitter

- Direction-independent
- Twilight output available

This measuring sensor for the acquisition of the brightness can be used for the regulation of shading devices, heating and irrigation plants in automatically controlled green houses or as twilight sensor.

There are two analogue outputs available :
 Output 1 offers different, selectable measuring ranges.
 Output 2 is used as fixed measuring range, particularly for the twilight range.

The output signals can be delivered as voltage or current.



Order No	Technical Data	
7.1414.51.150	Measuring range Output 1 (user selection)	0 - 150.000 lux
		0 - 100.000 lux
		0 - 50.000 lux
		0 - 10.000 lux
	Measuring range Output 2	0 - 1.000 lux (fixed)
7.1414.51.550	Measuring range Output 1 (user selection)	0 - 750 lux
		0 - 500 lux
		0 - 250 lux
		0 - 50 lux
	Measuring range Output 2	0 - 5 lux (fixed)
	Electrical output (user selection)	0 - 20 mA (350 Ohm)
		4 - 20 mA (350 Ohm)
		0 - 10V (max. 5 mA)
	Spectral range	350 - 820 nm
	Accuracy	± 3 % from measuring range
	Acquisition angle	elevation 0 - 90° azimuth 0 - 360°
	Operating voltage	15...36 VDC / 50 mA max.
		15...24 VAC / 50 mA max.
	Temperature range	- 30...+ 70°C
	Protection	IP 65
	Cable length	7.1414.51.150 : 5 m 7.1414.51.550 : 12 m
	Dimensions	Ø 70 x 73 mm
Weight	150g (w/o cable)	