

Brightness Transmitter

Model Nr. 7.1414.40.xxx

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



Brightness Transmitter

- Direction-independent
- Heated model

The instrument serves for the acquisition of the illumination intensity of the daylight.

The electrical output can be used for the control of shading devices, heating systems, and irrigation plants.

The acquisition is carried out in the upper part (dome) of the instrument.

The acquisition angle is 90 degrees.

The model with „heating“ avoids a possible dewing on the dome.



Order No	Technical Data	
7.1414.40.102	Measuring range	0 - 100.000 lux
7.1414.40.112		0 - 10.000 lux
7.1414.40.002 (without heater)		0 - 100.000 lux
	Output	0 - 10 V
	Accuracy	± 2% of calibration standard
	Spectral range	0,420 - 0,675 µm
	Acquisition angle	Elevation 0 - 90° Azimuth 0 - 360°
	Operating temperature	-30...+70°C
	Operating voltage	15 - 24 VDC or 24 VAC, 10 mA
	Heater	24 V AC/DC, 300 mA
	Connection	clamp connection, screwed cable gland
	Protection	IP 65
	Dimensions	80 x 82 x 112 mm
	Weight	0,15 kg