RADIATION

Brightness Transmitter

Part number: 7.1414.40.xxx

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 degree.

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

Specification

Part number: 7.1414.40.xxx

Brightness	
Spectral range	350 … 820 nm
Accuracy	±2 % of calibration standard
Acquisition angle elevation	0 … 90 °
Acquisition angle azimut	0 … 360 °
Operating voltage	
Electronic	15 … 24 V DC or 24 V AC
Heating	24 V AC/DC, 300 mA
General	
Ambient temp.	-30 … +70 °C
Electr. connection	clamp connection, screwed cable gland
Protection	IP 65
Dimension	80 x 82 x 112 mm
Weight	0.15 kg

Versions

As per 7.1414.40.xxx, but:

Product number 7.1414.40.102

Brightness

Measuring range	0 … 100 kLux
Electrical output	0 … 10 V

Product number 7.1414.40.112

Brightness

Measuring range	0 … 10 kLux
Electrical output	0 … 10 V

Product number 7.1414.40.141

Brightness
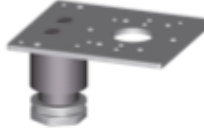
Measuring range	0 … 1 kLux
Electrical output	4 … 20 mA

Product number 7.1414.40.152

Brightness

Measuring range	0 … 5 kLux
Electrical output	0 … 10 V

Accessories

Product	Product name	Brief description
	Hanger 1 m (for radiation sensors) 4.3185.xx.009	The hanger is used for laterally mounting of a radiation- or brightness transmitter onto a mast. **General**
		Length — 1 m
		Material — Aluminium
		Tube diameter — Ø 50 mm
		Weight — 1.8 kg
	Adapter Compact 506345	The adapter serves for mounting a radiation transmitter, baro transmitter or brightness transmitter onto a traverse (4.3171.30.000, 4.3171.40.000) or holder (506 347). **General**
		Material — Aluminium, anodized
		Dimension — 100 x 115 x 65 mm
		Weight — 0.5 kg
	Adapter Compact 0 … 90 ° adjustable 508850	The adapter serves for mounting a radiation transmitter, baro transmitter or brightness transmitter onto a traverse (4.3171.30.000, 4.3171.40.000) or holder (506 347). **General**
		Material — Aluminium, anodized
		Dimension — 100 x 115 x 65 mm
		Weight — 0.5 kg
		Function — 0 … 90 ° adjustable

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