

# RADIATION MEASURING TECHNOLOGY

## Brightness Transmitter

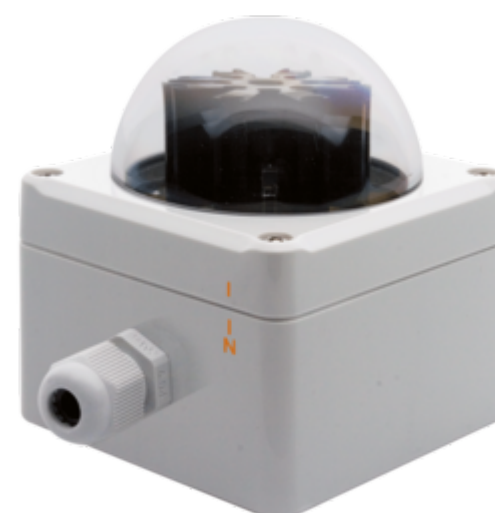
Part number: 7.1414.60.xxx

The illumination intensity is acquired by eight independent photo diodes, which are arranged

in 45°-segments. (N, NE, E, SE, S, SW, W, NW).

The connected electronics converts the light into voltage signals and provides them for further processing to the 8 individual outputs.

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



## Specification

Part number: 7.1414.60.xxx

### Brightness

Number of channels	8
Measuring range	0 ... 100 kLux
Spectral range	400 ... 1100 nm
Accuracy	±2 % of calibration standard
Acquisition angle elevation	0 ... 90 °
Acquisition angle azimuth	8 x ±22.5 °

### General

Power supply	12 ... 28 V DC or 24 AC
Current load	approx. 200 mA
Ambient temp.	-30 ... +70 °C
Electr. connection	clamp connection, screwed cable gland
Protection	IP 65
Dimension	80 x 82 x 96 mm
Weight	0.15 kg

## Versions

As per 7.1414.60.xxx, but:

**Product number 7.1414.60.000**

**Brightness**

Electrical output	0 ... 10 V per channel
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**Product number 7.1414.60.040**

**Brightness**


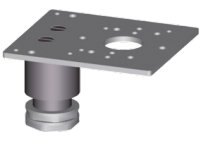
Electrical output	0 ... 20 mA per channel
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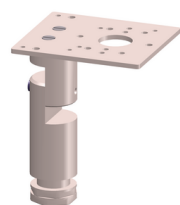
**Product number 7.1414.60.041**

**Brightness**

Electrical output	4 ... 20 mA per channel
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## 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.  <b>General</b> <table border="1"> <tr> <td>Length</td> <td>1 m</td> </tr> <tr> <td>Material</td> <td>Aluminium</td> </tr> <tr> <td>Tube diameter</td> <td>Ø 50 mm</td> </tr> <tr> <td>Weight</td> <td>1.8 kg</td> </tr> </table>	Length	1 m	Material	Aluminium	Tube diameter	Ø 50 mm	Weight	1.8 kg
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	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).  <b>General</b> <table border="1"> <tr> <td>Material</td> <td>Aluminium, anodized</td> </tr> <tr> <td>Dimension</td> <td>100 x 115 x 65 mm</td> </tr> <tr> <td>Weight</td> <td>0.5 kg</td> </tr> </table>	Material	Aluminium, anodized	Dimension	100 x 115 x 65 mm	Weight	0.5 kg		
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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

