

# Brightness Transmitter

**Part number: 7.1414.61.xxx**

The illumination intensity is acquired by three independent photo diodes, which are arranged in 90°-segments (East, South, West ). The connected electronics converts the light into voltage signals and provides them for further processing to the 3 individual outputs. The model with “heating“ avoids a possible dewing on the dome.



## Specification

**Part number: 7.1414.61.xxx**

<b>Brightness</b>	
Number of channels	3
Measuring range	0 ... 100 kLux
Spectral range	400 ... 1100 nm
Accuracy	±2 % of calibration standard
Acquisition angle elevation	0 ... 90 °
Acquisition angle azimuth	3 x ±45 °
<b>General</b>	
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 7.1414.61.xxx, but:

**Product number 7.1414.61.000**

### Brightness

Electrical output	0 ... 10 V per channel
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### Product number 7.1414.61.040

### Brightness


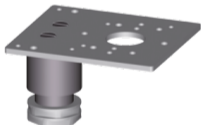
Electrical output	0 ... 20 mA per channel
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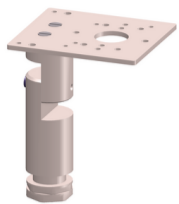
### Product number 7.1414.61.041

### 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	<p>The hanger is used for laterally mounting of a radiation- or brightness transmitter onto a mast.</p> <hr/> <p><b>General</b></p> <hr/> <table><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> <hr/>		Length	1 m	Material	Aluminium	Tube diameter	Ø 50 mm	Weight	1.8 kg
Length	1 m										
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	Adapter Compact 506345	<p>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).</p> <hr/> <p><b>General</b></p> <hr/> <table><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> <hr/>		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