

RADIATION

Pyranometer GSM 3.3

Part number: 7.1415.09.xxx

The measurement is cos-corrected. Delivery includes calibration certificate.



Specification

Part number: 7.1415.09.xxx

Radiation	
Measuring range	0 ... 1300 W/m ²
Cosinus-correction	error f2 < 3 %
Spectral range	380 ... 1100 nm
Non-linearity	< 5 %
Abs. error	< ±10 %
Diffuser	PTFE
Dome	PMMA
Sensor type	Silizium photo diode
General	
Ambient temp.	-20 ... +60 °C
Electr. connection	plug with 5 m cable
Dimension	Ø 80 x 86 mm
Weight	0.3 kg

Versions

As per 7.1415.09.xxx, but:

Product number 7.1415.09.041

Data output analog	
Output type	4 ... 20 mA

General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.240
Data output digital

Protocol	ASCII
Output type	2 wire RS485

Data output analog

Output type	0 ... 20 mA
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.241
Data output digital

Protocol	ASCII
Output type	2 wire RS485

Data output analog

Output type	4 ... 20 mA
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.251
Data output digital

Protocol	ASCII
Output type	2 wire RS485

Data output analog

Output type	0 ... 5 V
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.261
Data output digital

Protocol	ASCII
Output type	2 wire RS485

Data output analog

Output type	0 ... 10 V
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General

Power supply	14 ... 24 V DC
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Product number 7.1415.09.340
Data output digital

Protocol	MODBUS RTU
Output type	2 wire RS485

Data output analog

Output type	0 ... 20 mA
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.341

Data output digital

Protocol	MODBUS RTU
Output type	2 wire RS485

Data output analog

Output type	4 ... 20 mA
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.351

Data output digital

Protocol	MODBUS RTU
Output type	2 wire RS485

Data output analog

Output type	0 ... 5 V
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General

Power supply	9 ... 24 V DC
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Product number 7.1415.09.361

Data output digital

Protocol	MODBUS RTU
Output type	2 wire RS485

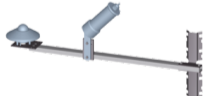
Data output analog


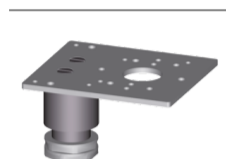
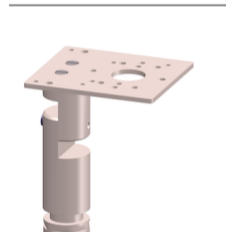
Output type	0 ... 10 V
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General

Power supply	14 ... 24 V DC
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Accessories

Product	Product name	Brief description
	Traverse 0,8 m 4.3171.40.002	For mounting of a Pyranometer CMP11 / 6 / 3 And a sunshine duration sensor-CSD3 onto a mast. General Clamping range: Ø 48 ... 102 mm Sensor distance: 0.4 / 0.8 m from mast Material: Aluminium / Stainless steel Weight: 1 kg

	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> <table border="1"> <tr> <td colspan="2">General</td> </tr> <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>	General		Length	1 m	Material	Aluminium	Tube diameter	Ø 50 mm	Weight	1.8 kg
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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> <table border="1"> <tr> <td colspan="2">General</td> </tr> <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>	General		Material	Aluminium, anodized	Dimension	100 x 115 x 65 mm	Weight	0.5 kg		
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	Adapter Compact 0 ... 90° adjustable 508850	<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> <table border="1"> <tr> <td colspan="2">General</td> </tr> <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> <tr> <td>Function</td> <td>0 ... 90° adjustable</td> </tr> </table>	General		Material	Aluminium, anodized	Dimension	100 x 115 x 65 mm	Weight	0.5 kg	Function	0 ... 90° adjustable
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