

# RADIATION

## Silicon UVB Sensor E 1.c

**Part number: 7.1416.20.0xx**

The relative spectral sensitivity of the sensor is especially suited to the erythem-curve acc. to DIN 5050. This sensor determines exactly the skindamaging components of the spectral range. Delivery includes calibration certificate.



### Specification

**Part number: 7.1416.20.0xx**

Radiation	
Cosinus-correction	Fehler f2 < ±6 %
Non-linearity	< ±5 %
Abs. error	< ±10 %
Dome	plastics
Sensor type	silicon photo diode
UV-B	
Measuring range	0 ... 0.5 W/m <sup>2</sup>
Spectral range	265 ... 315 nm
max. Sensitivity	297 nm
General	
Ambient temp.	-20 ... +60 °C
Electr. connection	plug with 5 m cable
Dimension	∅ 42 x 90 mm
Weight	0.3 kg

### Versions

As per 7.1416.20.0xx, but:

**Product number 7.1416.20.040**

Data output analog	
Output type	0 ... 20 mA
General	
Power supply	9 ... 24 V DC

**Product number 7.1416.20.041**

Data output analog	
Output type	4 ... 20 mA
General	
Power supply	9 ... 24 V DC



**Product number 7.1416.20.051**
**Data output analog**

Output type	0 ... 5 V
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**General**

Power supply	9 ... 24 V DC
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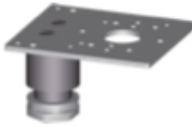

**Product number 7.1416.20.061**
**Data output analog**

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
	<b>Adapter Compact</b> 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> Material Aluminium, anodized Dimension 100 x 115 x 65 mm Weight 0.5 kg
	<b>Adapter Compact</b> 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). <b>General</b> Material Aluminium, anodized Dimension 100 x 115 x 65 mm Weight 0.5 kg Function 0 ... 90° adjustable

