

# Global Radiation

## Pyranometer CM 11

WMO- recommended measured value transmitter to determine global radiation. It is also used as a reference instrument due to its measurement precision. Easy to adjust horizontally owing to its adjustable feet and a level. The protective label can be easily removed. The instrument is "secondary standard" according to WMO and ISO 9060. Delivery includes calibration certificate.

Technical Data	
Measuring range	0 - 1400 W/m <sup>2</sup>
Sensitivity	4 - 6 $\mu$ V/W/m <sup>2</sup>
Spectral range	0,305 - 2,8 $\mu$ m
Non-linearity	$\pm$ 0,6 % < 1000 W/m <sup>2</sup>
Impedance	700 - 1500 Ohm
Response time	1/e 4s; 99% 24s
Sensor type	100 Thermocouples
Ambient temp.	- 40 - + 80°C
Cable	10 m long
Dimensions	$\varnothing$ 150 x 92 mm
Weight	0,85 kg



## Pyranometer CM 6B

Measured value transmitter to determine global radiation. It is also used as a reference instrument due to its measurement precision. Easy to adjust horizontally owing to its adjustable feet and a level. The protective label can be easily removed. The instrument is "first class" according to WMO and ISO 9060. Delivery includes calibration certificate.

Technical Data	
Measuring range	0 - 1400 W/m <sup>2</sup>
Sensitivity	9 - 15 $\mu$ V/W/m <sup>2</sup>
Spectral range	0,305 - 2,8 $\mu$ m
Non-linearity	1,5 % < 1000 W/m <sup>2</sup>
Impedance	700 - 1500 Ohm
Response time	1/e 5s; 99% 55s
Sensor type	64 Thermocouples
Ambient temp.	- 40 - + 80°C
Cable	10 m long
Dimensions	$\varnothing$ 150 x 92 mm
Weight	0,85 kg



## Pyranometer CM 3

Measuring value transmitter for the determination of the global radiation. The instrument can be used also as Albedometer. The instrument is "second class" according to WMO and ISO 9060. Delivery includes calibration certificate.

Technical Data	
Measuring range	0 - 1400 W/m <sup>2</sup>
Sensitivity	10 - 35 $\mu$ V/W/m <sup>2</sup>
Spectral range	0,305 - 2,8 $\mu$ m
Non-linearity	2,5 % < 1000 W/m <sup>2</sup>
Impedance	79 - 200 Ohm
Response time	18s at 95%
Sensor type	64 Thermocouples
Ambient temp.	- 40 - + 80°C
Cable	5 m long
Dimensions	$\varnothing$ 55 x 60 mm
Weight	0,35 kg

