

Radiation



Model Brief

Brightness

Brightness Transmitter

Description and more techn. details ref. to 7.1414.51.150

Order No.

7.1414.51.550

Technical Data

Measuring range	
Output 1	0-750 / 500 /
programmable	250 / 50 Lux
Measuring range	
Output 2	0 - 5 Lux
Cable	12 m long

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.

7.1415.01.000

Measuring range	0 - 1400 W/m ²
Sensitivity	4 - 6 μV/W/m ²
Spectral range	0.305 - 2.8 μm
Non-linearity	± 0.6 % (< 1000 W/m ²)
Impedance	700 - 1500 Ω
Response time	1/e 4s ; 99 % 24s
Sensor type	100 Thermocouples
Ambient temp.	- 40 - + 80 °C
Cable	10 m long
Dimensions	Ø 150 x 92 mm
Weight	0.85 kg



Pyranometer CM 6B

The instrument can be used also as Albedometer. 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.

7.1415.02.000

Measuring range	0 - 1400 W/m ²
Sensitivity	9 - 15 μV/W/m ²
Spectral range	0.305 - 2.8 μm
Non-linearity	1.5 % (< 1000 W/m ²)
Impedance	70 - 100 Ω
Response time	1/e 5 s ; 99 % 55 s
Sensor type	64 Thermocouples
Ambient temp.	- 40 - + 80 °C
Cable	10 m long
Dimensions	Ø 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.

7.1415.03.000

Measuring range	0 - 1400 W/m ²
Sensitivity	10 - 35 μV/W/m ²
Spectral range	0.305 - 2.8 μm
Non-linearity	2.5 % (< 1000 W/m ²)
Impedance	79 - 200 Ω
Response time	18 s at 95 %
Sensor type	64 Thermocouples
Ambient temp.	- 40 - + 80 °C
Cable	5 m long
Dimensions	Ø 55 x 60 mm
Weight	0.35 kg