CUV 5

CUV 5 shares features with the CMP range of pyranometers and can be used with the same accessories. It measures the total UV irradiance of the UVA and UVB components.

It is suitable for use in all environments. Adjustable feet and a bubble level are used to ensure that the radiometer is horizontal and a snap-on sun shield provides protection. The instrument is kept dry internally by an easily removable desiccant cartridge.

CUV 5 has a glass dome with very good UV transmission and a specially shaped diffuser to provide excellent directional response. The waterproof connector has gold-plated contacts and is fitted with 10 m of high quality signal cable as standard. The detection system includes optical filters and a photo-diode and CUV 5 does not require power to operate.

Specifications

Response time (95 %)	< 1 s
Non-linearity (0 to 200 W/m²)	< 1 %
Temperature dependence of sensitivity	- 0.1 %/°C
Sensitivity	300 to 500 µV/W/m²
Operating temperature range	-40 °C to +80 °C
Spectral range (overall)	280 to 400 nm
Spectral range (50 % points)	290 to 385 nm
Output range	0 to 200 W/m²
Maximum UVA/UVB irradiance	400 W/m²

Article	Part number
CUV 5 Broadband UV Radiometer • 10 m cable	**0364910-002**
Options for CUV 5	
CUV 5 Broadband UV Radiometer • 25 m cable	0364910-004
CUV 5 Broadband UV Radiometer • 50 m cable	0364910-005
CUV 5 Broadband UV Radiometer • plug only, no cable	0364910-008
CUV 5 Broadband UV Radiometer • AMPBOX • 10 m cable	0364910-802
CUV 5 Broadband UV Radiometer • AMPBOX • 25 m cable	0364910-804
CUV 5 Broadband UV Radiometer • AMPBOX • 50 m cable	0364910-805
CUV 5 Broadband UV Radiometer • AMPBOX • plug only, no cable	0364910-808
100 m cable	On request
Note: AMPBOX is adjusted so that 4 - 20 mA output = 0 - 240 W/m²	

Accessories for CUV 5	Part number
Desiccant Refill Pack, set of 10 packs	**2643951**
CVF 3 Ventilation Unit Recommended to reduce frequency of dome cleaning	**See accessories**
CMF 1 Mounting Fixture For 1 or 2 unventilated radiometers (1 upper / 1 lower) Diameter 88 mm. Mounting rod 350 mm long x 16 mm Ø	**0362700**
CMF 2 Mounting Fixture For 1 or 2 ventilated or unventilated radiometers (1 upper / 1 lower) Diameter 220 mm. Mounting rod 350 mm long x 16 mm Ø	**0362701**
CMB 1 Mounting Bracket In combination with CMF mounting fixture for easy attachment to a pole or a wall	**0369701**
CM 121B Shadow Ring for unventilated radiometers Manually adjusted device provides diffuse sky irradiance measurement *Note: CM 121B can not be used with or CVF 3 ventilation unit*	**0346900**
CM 121C Shadow Ring for ventilated radiometers Manually adjusted device provides diffuse sky irradiance measurement Mounts the radiometer at the correct height when used with a or CVF 3	**0346901**
METEON + CUV 5 Broadband UV Radiometer • 10 m cable	**0364910-702**

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