

UV Monitoring C1

Inline UV Measurement System with analog output and display

The UV measuring system UV Monitoring C1 is used when the UV irradiance ("UV intensity") continuously measured and should be displayed. The measured values are additionally output as an analog signal by the measuring amplifier for further use, e.g. in the customer's PLC. The measuring amplifier is mounted on a top hat rail.



Vorteile

- Easy installation and operation
- Relative or optional absolute display of UV irradiance (UV intensity)**
- Optionally sensor cable or fibre optic cable
- DIN rail mounting



Technical data

UV Monitoring C1	
UV Sensor	
Spectral ranges	UV Full 250 – 410 nm UV-LED 265 – 495 nm* (for UV LEDs in between 320...405 nm) UV-VIS 395 – 445 nm UV-A 315 – 410 nm UV-B 280 – 315 nm UV-C 230 – 280 nm
Measuring range	1 – 5,000 mW/cm ² (* version for UV LED: 1 – 20,000 mW/cm ²)
Accuracy	± 5%
Temperature range	0...+70 °C
Length cable / fiber optic cable	2 m (optional max. 10 m possible)
Dimensions	Ø 43 mm, height 10 mm + 1 mm base plate (70 x 43 mm)
Weight	approx. 70 g
Housing material	aluminium
Display	
LCD display	0...100.0 %; 4-digit LCD display; desktop unit
Temperature range	0...+40 °C
Measuring amplifier	
Output signal	0 – 10 V DC (proportional to sensor signal)
Mounting	DIN rail mounting TS 35 x 7,5 mm or TS 35 x15 mm acc. to EN 50 022
Temperature range	0...+40 °C
Dimensions (L x W x H)	ca. 70 x 45 x 120 mm
Weight	approx. 150 g
Supply	DC 24 V
Options	<ul style="list-style-type: none"> • Fiber optic cable (up to 180 °C) instead of sensor cable • Fiber optic version also with 45° deflecting mirror for narrow installation situations or at high temperature loads • Other cable / fiber optic cable lengths • Output signal 0/4 – 20 mA instead of DC 0 – 10 V