



Kipp & Zonen SUV-B UV Radiometer

Product #: 0387920
USD Price: Contact Hach

The SUV-B series offers the latest detector technology, digital signal processing and Modbus® output and covers the UV-B spectrum 280-315 nm.

Ultraviolet (UV) radiation is part of the Sun's light spectrum that reaches the earth. UV radiation breaks down into wavelengths that are invisible to the naked eye. There are three types of UV rays: UVA, UVB and UVC. They decrease in length from A to C but increase in intensity, meaning that the shorter the wavelength, the more potential for damage. Fortunately, only UVA and UVB rays can penetrate the earth's atmosphere. With the new SUV-A and SUV-B you can measure both single wavelengths.

UV spectrum

Of the UV light reaching the earth the UV-B spectrum 280 to 315 nm is measured

Smart interface

Modbus RTU interface, wide temperature correction range and very low power consumption. Both digital and analog outputs available. No need to adjust data logger after recalibration.

Minimized maintenance

No desiccant change for 10 years, best MTBF with 5 years warranty.

Specifications

Analog Outputs:	0 to 1 V
Digital Outputs:	2-wire RS-485 Modbus RTU
Directional Response:	< 2.5 % with 9 W/m ² beam
Field-of-View:	180°
Input Voltage:	5 to 30 V
Maximum UVA/UVB Irradiance:	9 W/m ²
Non-linearity:	< ±1%
Output Range:	0 to 9 W/m ²
Power Consumption:	< 55 mW
Response Time:	< 0.2 s
Spectral Bandwidth:	280 to 315 nm
Temperature Range:	-40 to +158 °F (-40 to +70 °C)

Temperature Response:

< $\pm 1\%$

UV Band:

B