

Smart UV Radiometers

The UV Radiometers represent the state of the art in atmospheric UV instrument design providing a maximum of precision, reliability and long-term stability. The new SUV series offers a measurement solution for every part of the ultraviolet solar radiation spectrum. The successful SUV5 total UV radiometer has been re-engineered into dedicated UVA, UVB and UVE [UV Index] models to make a range that is smarter than alternatives; thanks to the latest detector technology, digital signal processing and Modbus® output.



Easy to install and to access data



Excellent directional response



Precise temperature correction



Extremely low power consumption



0 to 1 V analogue output

Specifications

	SUV-A	SUV-B	SUV-E
Spectral range (overall)	315 to 400 nm	280 to 315 nm	IEC 17166
Typical output range	0 to 90 W/m ²	0 to 9 W/m ²	0 to 0.9 W/m ²
Response time (95 %)	1 s	1 s	1 s
Non-linearity	< 1 %	< 1 %	< 1 %
Temperature response (-40 to +70 °C)	< 2 %	< 2 %	< 2 %
Operational temperature range	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Supply voltage DC	5 to 30 V	5 to 30 V	5 to 30 V
Power consumption	< 55 mW	< 55 mW	< 55 mW
Digital output	RS-485, Modbus® RTU	RS-485, Modbus® RTU	RS-485, Modbus® RTU
Analog output	0 to 1 V	0 to 1 V	0 to 1 V



ISO Quality Certified Company

All specifications are subject to change without prior notice.
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