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INDUSTRIAL PRODUCT DATASHEET

Industrial UV Radiation Sensor MODBUS-RTU RS485, Ultraviolet Radiation Meter

The IP68 RS485 UV Radiation Sensor measures real-time UV radiation from 240 to 395 nanometers.

SKU	UPDATED	PRICE
101991048	2026-11-11 09:50:44	$149.00(Excl. VAT)



Overview



The IP68 RS485 UV Radiation Sensor measures real-time UV radiation from 240 to 395 nanometers. Ideal for environmental monitoring and agriculture. Pair with SenseCAP Sensor Hub 4G Data Logger or SenseCAP S2100 LoRaWAN® Data Logger for seamless data collection and management.

Key Features

01 **Easy to Use**

Compact size, simple installation, quick integration

02 **High Performance**

±3% accuracy, fast response, exceptional stability (<2% variation in one year), within 0-200 W/m² range.

03 **Strong Robustness**

It's watertight and dustproof with IP68 Enclosure, and can operate under a wide range of temperatures from -30°C to 75°C

04 **Supports Universal MODBUS RS485 Protocol**

Can be easily connected to MODBUS-RTU RS485 data loggers.

05 **Wide-range Power Supply**

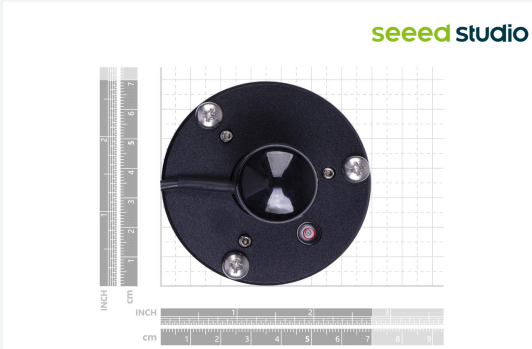
Can be powered with supply voltage within 5~24V DC

Product Gallery











Applications

- **Weather Observation: UV radiation sensors in meteorological stations measure UV intensity, aiding weather analysis and seasonal understanding.**
- **Agriculture: UV sensors monitor the effects of radiation on crop growth, optimizing agricultural practices.**
- **Environmental monitoring: Assess UV radiation in urban areas to understand its impact on health, the environment, and air quality.**
- **Ecological research: Study the influence of UV on ecosystems, plant and animal behavior, and life cycles.**
- **Its measurements help understand the effects of UV radiation on crops and ecosystems, providing a strong research foundation. Whether in science or application, the UV Radiation Meter plays a vital role in environmental monitoring and data collection.**
- **Using grape cultivation as a case study, UV radiation sensors help optimize photosynthesis, yield, fruit quality, and stress responses, while aiding in genetic trait research and site selection. These sensors provide valuable data for grape growing and crop research, contributing to the development and innovation of the grape industry.**

Resource Links

- https://www.seeedstudio.com/RS485-p-5692.html
- User manual

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