



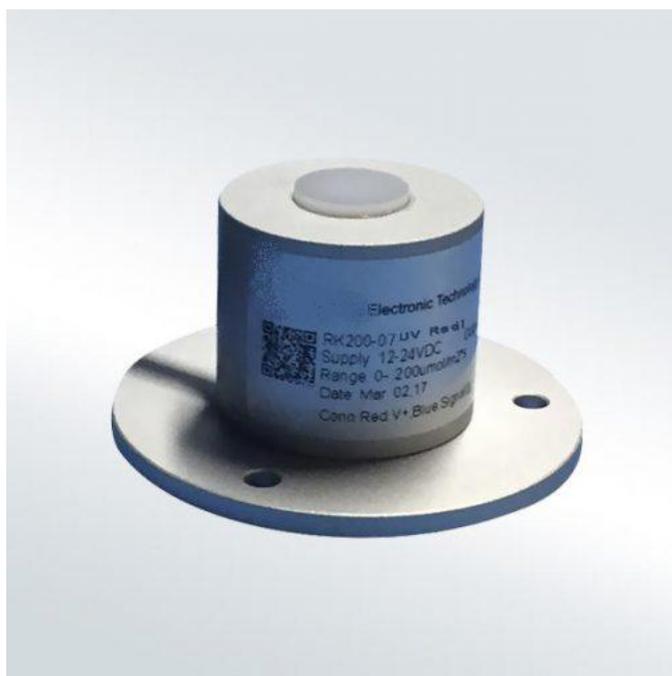
SPR200-07 Compact sensor for measuring UV radiation

APPLICATIONS

- Tourism weather.
- Breeding industry.
- Construction materials aging monitoring.
- Medical research.
- Environmental monitoring

KEY FEATURES

- Light weight.
- No moving parts.
- No maintenance.
- Can work in any altitude.
- High sensitivity.
- Low power consumption.
- Long service life.
- Compatible with Smartyplanet.



The UV radiation sensor *SPR200-07* is a precision instrument used for the measurement of the UV radiation rate present in the atmosphere.

The compatibility with the **Smartyplanet web platform** allows you to analyze the data you record instantly.

One of the most important applications is to announce the risks of high exposure to UV radiation. This makes it the ideal solution to inform and make society aware of the negative effects that this type of radiation has on health.

The UV radiation sensor also has applications in the field of construction, environmental, etc.

The sensor has no moving parts. It can be installed at any height and requires no maintenance.

It has a long service life because it has low consumption.

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UV Radiation sensor

Range	0-200 W/m ²
Wavelength	240-400 nm
Linearity	< ±3 %
Response time	≤1 s
Stability	±2%/year
Cosine correction	≤±4% (solar elevation angle=30°)
Temperature effect	±0,08% /°C



Mechanical construction

Material	Aluminum
Sensor weight	220 g
Transmission modul weight	200 g
Power supply	5 V, 12-24 VDC



Environmental protection

IP Rating	IP-65
Operating temperature	-40 to +85 °C



Plug and play Installation

The design of this Station allows his installation under the concept 'to plug and play'. He places of simple form on posts, walls or poles, and his entail with the web of visualization is immediate and automatic.



Without complicated infrastructures

With the different models of station it will be able to create networks of sensors adapted to the needs of his sector, without need of complicated infrastructures not costly.



Better relation Cost - benefit

The new concept of station of sensors allows to have the best technology to monitor and to control his resources to a cost very lower than other existing alternatives on the market.



Visualization in web page

The control of the sensors is realized by means of a web application personalized with multiple functionalities as alarms, historical, multiple users, etc.. Accessible from any device connected to Internet.



Sensors Networks

The number of Stations to linking to his network is unlimited, being able to incorporate different models and configurations to form extensive networks that connect the information of his resources to Internet, to give response to the Smart cities of the future



Multiple sensors

There are multiple the precision sensors that can join. The model of Station selects depending on the type and I number of sensors that he needs.