



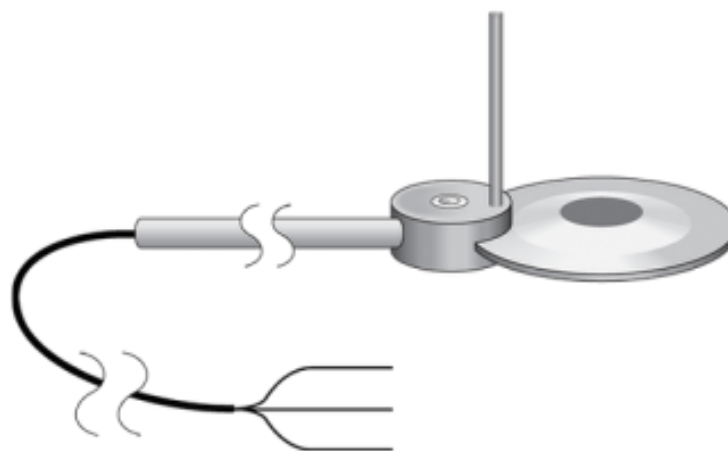
## SPN-LITE2 Net Radiometer

### APPLICATIONS

- Meteorological monitoring.

### KEY FEATURES

- Rugged design.
- Resistant to hostile conditions.
- Bubble level to ensure correct installation.
- Compatible with Smartyplanet.



The *SPN-LITE2* radiometer is a rugged net radiation sensor.

It measures the energy balance between incident short-wave and infrared long-wave solar radiation with respect to the corresponding solar radiation reflected by the surface.

It is used in applications related to agriculture and hydrology.

The data measured by the net radiometer are recorded and analyzed by the **Smartyplanet web platform** thanks to its full compatibility.

The radiometer includes weather-resistant teflon-coated absorbers. In this way this instrument can be installed under any type of weather conditions.

To ensure its correct installation has integrated a level of bubble and rods that prevent the birds from sitting on the radiometer.

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## Radiometer

Sensor	Thermopiles
Spectral response	0 to 100 $\mu\text{m}$
Response time	20 s
Sensitivity	10 $\mu\text{V W}^{-1} \text{m}^2$
Output range	$\pm 25 \text{ mV}$
Measuring range	$\pm 2000 \text{ W/m}^2$



## Mechanical construction

Sensor diameter	8cm
Arm bracket diameter	1,6cm
Arm bracket length	80cm
Sensor weight	200g
Arm bracket weight	635g



## Environmental protection

Operating temperature	-30 to +70°C
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### 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.