

Plugsensor Foliar



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The **Plugsensor Foliar** is a high-precision sensor that measures leaf wetness caused by dew formation, precipitation or irrigation. It simulates the behavior of a real leaf, capturing temperature and water on its surface, enabling the analysis of wetness duration to provide data for disease and fungus prevention. With IP68 protection, it is ideal for agricultural and research applications.



DS112501EN

Technical Specifications

| Parameter | Description |
|-----------------------|---|
| Output Interface | RS485 / Modbus-RTU |
| Power Supply | 3.6 to 30V DC |
| Consumption | 6mA / 24V DC |
| Leaf Wetness | Range: 0% to 100% |
| | Accuracy: $\pm 0.5\%$ |
| | Resolution: $\pm 0.1\%$ |
| Temperature | Range: -40 °C to 80 °C |
| | Accuracy: 0.5 °C |
| | Resolution: ± 0.1 °C |
| Measurement Technique | FRD |
| IP Rating | IP68 |
| Operating Temperature | -40 °C to 85 °C |
| Installation | Surface |
| Dimensions | 65 x 13 x 145 mm |
| Cable / Connector | 3 meters with 5x 22AWG / SP13 Series – IP68 |

Sensor available only for integration with Plugstation starting from the WS22 model.

