

# 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.



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## 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: $-40\text{ }^{\circ}\text{C}$ to $80\text{ }^{\circ}\text{C}$
	Accuracy: $0.5\text{ }^{\circ}\text{C}$
	Resolution: $\pm 0.1\text{ }^{\circ}\text{C}$
Measurement Technique	FRD
IP Rating	IP68
Operating Temperature	$-40\text{ }^{\circ}\text{C}$ to $85\text{ }^{\circ}\text{C}$
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.

