

**Leaf Wetness and Temperature Sensor
S-YM-01**





PRODUCT DESCRIPTION

S-YM-01 measures leaf wetness and temperature. It sealed with resin packaged plastic body can be used for long time monitor. Wetness measurement value is proportional to the percentage of sensing area covered with water. The output signal can be RS485, Analog Voltage or Analog Current. This sensor is applicable for science research, bacteria prevention, foliage dressing spraying, greenhouse, smart agriculture etc.

FEATURES

- Integrated with leaf wetness and temperature measurement
- Output Interface with RS485, Voltage, Current
- Mimics the real leaf thermal resistance by sensing shape and thickness
- Water, ice, foggy detection
- Water proof to IP68 ratings
- High accuracy with excellent stability
- Reverse power protection and Built-in TVS/ESD protection

APPLICATION

- Science Research
- Smart Agriculture (outdoor & greenhouse)
- Irrigation Management
- Pest Control
- Bacteria Prevention
- Horticulture & Forestry Management

SPECIFICATIONS

PRODUCT MODEL

Model	S-YM-01
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GENERAL PARAMETER

Output Interface	RS485 Modbus-RTU
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Power Supply	3.6 ~ 30V DC
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GENERAL PARAMETER

Power Consumption	6mA@24V DC
Leaf wetness Measurement	Range: 0-100%, Resolution: 0.1%, Accuracy:5%
Temperature Compensation	Range: -40~80°C, Resolution:0.1°C, Accuracy: ±0.5°C
Measurement Technique	FDR
Operating Temperature	-40~85°C
Sealing Material	Epoxy resin
IP Rating	IP68
Cable Length	2 meters
Installation	Mounting kit