



S-LWA-M003 Sensor

Leaf Wetness Smart Sensor

The Leaf Wetness Smart Sensor provides accurate leaf wetness data in a number of growing and research applications. The sensor is ready to use and does not require any painting or coating. It uses a capacitive grid that is less sensitive to surface residues than resistive grid-based sensors, and comes preconditioned for consistent measurements between sensors and for long-term stability. Along with a 3-meter cable, a mounting bracket is included so the sensor can be easily positioned to mimic the wet-dry characteristics of the plants being studied.



Supported Measurements:

Leaf Wetness

Key Advantages:

- Does not require any painting or coating
- Preconditioned for consistent measurements
- 3-meter cable and mounting bracket included

S-LWA-M003 Sensor Specifications

Measurement range: 0 (dry) to 100% (wet)

Operating range: -40°C to 70°C, (-40°F to 158°F)

Repeatability: $\pm 5\%$

Resolution: 0.59%

Stability: $< \pm 5\%$ per year

Interchangeability between sensors (over the range 10-90%): $\pm 10\%$

Measurement averaging option: No

Housing: No coating required

Sensor type: Capacitive Grid

Dimensions

Sensor plate: 4.7 cm x 5.1 cm (1.8" x 2.0")

Tube: 12.2 cm length x 1.8 cm diameter (4.8" x 0.7")

Cable length: 3m (9.8')

Length of Smart Sensor Network Cable: 3m

Approximate weight: 127 g (4.5 oz) for sensor, and 290 g (10.2 oz) with mounting bracket

Mounting bracket: 20 cm long (8"); Sensor can be positioned at any angle between 0 and 90 degrees (vertical)

Number of data channels: 1

For mounting on Onset tripods or masts 3.2 cm to 4.1 cm (1 1/4" to 1 5/8"), Cross Arms (Part # M-CAA or M-CAB), or flat surfaces. U-bolt and tie-wraps included.

CE - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)