



## 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:** ± 5%

**Resolution:** 0.59%

**Stability:** < ± 5% per year

**Interchangeability between sensors (over the range 10-90%):** ± 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)

## Contact Us

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