



S-LWA-M003 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.

Specification:

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; **Cable length:** 3m (9.8')

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")

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.

Order Information:

Part No:

Leaf Wetness Smart Sensor

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