



# HOBO S-LWA-M003 Leaf Wetness Smart Sensor

## Product Images



## Description

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-metre cable, a mounting bracket is included so the sensor can be easily positioned to mimic the wet-dry characteristics of the plants being studied.

### Features

- Preconditioned for consistent measurements
- Does not require any painting or coating

- 3-metre cable and mounting bracket included.

Additional Information

Country of Manufacture	United States
Explanation	<p>The country of origin for this product is the United States. To see the full specifications for this product, please see the manual found under the Resources tab.</p> <p><b>Measurement range: 0 (dry) to 100% (wet)</b> <b>Operating range: -40°C to 70°C, (-40°F to 158°F)</b> <b>Repeatability: ± 5%</b> <b>Resolution: 0.59%</b> <b>Stability: &lt; ± 5% per year</b> <b>Interchangeability between sensors (over the range 10-90%): ± 10%</b> <b>Measurement averaging option: No</b> <b>Housing: No coating required</b> <b>Sensor type: Capacitive Grid</b></p> <p><b>Dimensions</b> <b>Sensor plate: 4.7 cm x 5.1 cm (1.8" x 2.0")</b> <b>Tube: 12.2 cm length x 1.8 cm diameter (4.8" x 0.7")</b></p> <p><b>Cable length: 3m (9.8')</b> <b>Length of Smart Sensor Network Cable: 3m</b> <b>Approximate weight: 127 g (4.5 oz) for sensor, and 290 g (10.2 oz) with mounting bracket</b> <b>Mounting bracket: 20 cm long (8"); Sensor can be positioned at any angle between 0 and 90 degrees (vertical)</b> <b>Number of data channels: 1</b> For mounting on 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.</p> <p> - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)</p>
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Ideal For	Professional, Agronomy
Brand	HOBO
Housing	Cable
Measurements	Leaf Wetness
Compatible With	RX3000 Remote Monitoring Station Data Logger, RX2100 MicroRX Station, RX2100-WL MicroRX Water Level Station, U30-NRC U30 USB Weather Station Data Logger, H21-USB USB Micro Station Data Logger