

LWS101 Leaf Wetness Sensor

LWS101 leaf wetness sensor is standardized, calibrated, and designed to detect wetness [presence and duration] and ice formation right out of the box. No painting, baking, or user calibration required.



Close to real leaf



Easy install



Frequency domain



No maintenance

The sensor's thin (0.65 mm) fiberglass construction closely approximates the overall radiation balance of a healthy leaf,

so moisture will condense and evaporate from the sensor at the same rate as it would on a normal leaf.

Technical specifications

Measurement speed	10 ms
Sensor type	frequency domain
Output	320 to 1000 mV @ 3 V excitation
Operating environment	-40 °C to +50 °C
Power	2.5 V DC @ 2 mA, to 5 V DC @ 7 mA
Cable length	5 m standard, custom lengths available
Cable connector types	3.5 mm "stereo" plug or stripped and tinned lead wires (3)
Sensor dimensions	11.2 x 5.8 x 0.75 cm
Expected lifetime	2+ years of continuous use
Warranty	one year, parts and labor