



Sensitive yet Durable

Compatible with most Campbell Scientific dataloggers

Overview

The LWS, manufactured by Decagon Devices, can detect small amounts of water or ice on the sensor surface for leaf wetness applications. Because the LWS measures the dielectric constant of the sensor's upper surface, it can detect the presence of water or ice anywhere on the sensor's surface.

The LWS is designed to be deployed either in the canopy or on a weather station mast. Two holes in the non-sensing portion of the sensor body are provided for attaching the sensor to a pole or branch via twist ties or with 4-40 bolts.

Benefits and Features

- › Imitates characteristics of a leaf
- › Does not require painting or calibration of individual sensors
- › Detects trace amounts of water or ice on the leaf surface

Specifications

Measurement Time	10 ms	Life Expectancy	2+ years (continuous use)
Power	2.5 Vdc @ 2 mA to 5 Vdc @ 7 mA	Dimensions	11.2 x 5.8 x 0.075 cm (4.4 x 2.3 x 0.0295 in.)
Output	250 to 1500 mV	Weight	0.14 kg (5 oz) with 4.57 m (15 ft) cable
Operating Temperature Range	-20° to +60°C		

For comprehensive details, visit: www.campbellsci.com.au/lws 