



METER
ENVIRONMENT



PHYTOS 31

LEAF WETNESS SENSOR

Say goodbye to guesswork

The PHYTOS 31 uses capacitance technology, so it can sense sub-milligram levels of water condensing on the surface, including frost and ice formation. That way you have a threshold that not only indicates when the sensor is wet, but also senses how much water there is. This kind of moisture clarity reduces guesswork and worry about accurately predicting disease conditions.

Features

- Accurate
- Easy to use
- Detect leaf wetness and ice formation
- Sensitivity without false positives
- Mimics a real leaf, so moisture will condense/evaporate as it would on a normal leaf
- Plug and play capability
- No need to create thresholds when used with the ZL6

Specifications

DIMENSIONS	Length: 12.0 cm Width: 5.8 cm Height: 0.8 cm
OPERATING TEMP	-40 °C to +60 °C
CABLE LENGTH	5 m (standard) 40 m (maximum custom cable length)
CONNECTOR TYPES	3.5-mm stereo plug connector or stripped and tinned wires
SUPPLY VOLTAGE	2.5VDC@ 2mA to 5VDC@7mA
MEASUREMENT INTERVAL	10 ms
OUTPUT	250–1,500 mV (depends on excitation voltage)
DATALOGGER COMPATIBILITY	METER data loggers (ZL6, EM 50/60 series) or any data acquisition systems capable of switched 2.5–5 VDC excitation and single-ended voltage measurement at greater than or equal to 12-bit resolution.
COMPLIANCE	Manufactured under ISO 9001:2015 EM ISO/IEC 17050:2010 (CE Mark)