



# Leafcrop

Technical data sheet

## Technical description

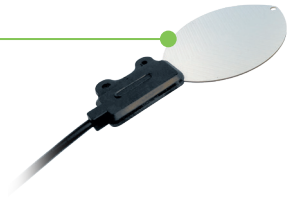
Antenna

Switch

Electronic box



Wetleaf sensor



Shield with  
temperature and  
humidity sensors



# Technical data

## Measurements

<b>Leaf Wetness sensor</b>	Principle of operation	Capacitive sensor
	Operating temperature range	-20 - +60 °C
	Measurement range	320 - 1000mV
	Accuracy	Average time 10 min
	Resolution	1mv
<b>Temperature and humidity</b>	Principle of operation	3 digital sensors
	Temperature range	-40 °C to +125 °C
	Humidity range	0 % to 100 %
	Temperature accuracy	± 0.2 °C typ. / ± 0.3 °C max. (-40 °C to +90 °C)
	Humidity accuracy	± 2 % typ. / ± 3 % max. from 0 °C to 80 °C (0 % HR to 100 % HR)

## Mechanical characteristics

<b>Leaf Wetness sensor</b>	Wire length	5m
<b>Radiation shield</b>	Material	ASA
	Wire length	2,5m
<b>Platine support</b>	Material	Stainless steel

## General

<b>Battery</b>	2 batteries	Lithium-Thionyl Chloride - capacity 19Ah - 3.6V
	Temperature range	-60°C to +85°C
<b>Other sensors</b>	Accelerometer	
	GPS	
<b>Communication</b>	Network	Sigfox (868 MHz)
	Data transmission period	Every 15 minutes