

Wireless leaf temperature camera (DLXm-IR-Cam)

DLXm-IR-Cam-ewinb



- measures leaf temperature
- measurement result in °C
- field of view 22°, half-angle
- Accurate wireless detection
- Battery life of over 5 years
- Easier to use than a handheld infrared leaf thermometer
- Compatible with all Wireless Value Base Stations
- Transmission range 1,600 metres (line of sight)

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Description

DLXm-IR-Cam

The Wireless Value DLXm-IR-Cam can be used to measure the temperature of the plant canopy, with a view to assessing the plants' water status. The radiometers are also used in the phenotyping and phenomics of various plants.

- Memory capacity for storing 10,000 measurements
- Adjustable measurement interval
- Attractive ABS casing
- Existing system can be easily expanded with additional sensors
- Unique network ID to prevent interference with other wireless systems

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Specifications

General

Battery type	AA
Casing	IP65
Colour	black
Battery life	over 5 years
Model	Apogee SIL-411

Measurement range

Temperature	0.5 °C when temperature is between 0°C and 50°C as target and sensor $\Delta T < 20^\circ\text{C}$
Operating limits	-20 °C to +80 °C
Angle of measurement	Single 22° half angle and one horizontal aperture
Signal range	1,600 metres (line of sight)

Measurement accuracy

Temperature	$\pm 0.5^\circ\text{C}$ from 0 to 50 °C
Drift	The slope changes by less than 2% per year when the germanium filter is kept clean

Measurement resolution

Temperature	0.1
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Legislation and standards

RED (Radio Equipment Directive)	yes
CE	yes
EN 300 220	yes

Technical specifications

Battery voltage	3.6V
IP rating	IP65
Memory	10,000 measurements

Dimensions

Sensor dimensions	38 mm x 60 mm
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Weight

358 g
