Wireless leaf temperature camera (DLXm-IR-Cam)



- 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 ΔT < 20°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	± 0.5 °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

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

Weight	358 g