



Description

Air temperature, humidity and pressure sensor that calculates the vapour pressure deficit (VPD, «DPV» in Spanish). It is the same sensor in two mounting versions: hanging (colgante), with a cord to hang it in the greenhouse, and external (externo), with an L-bracket to fix it to the mast.

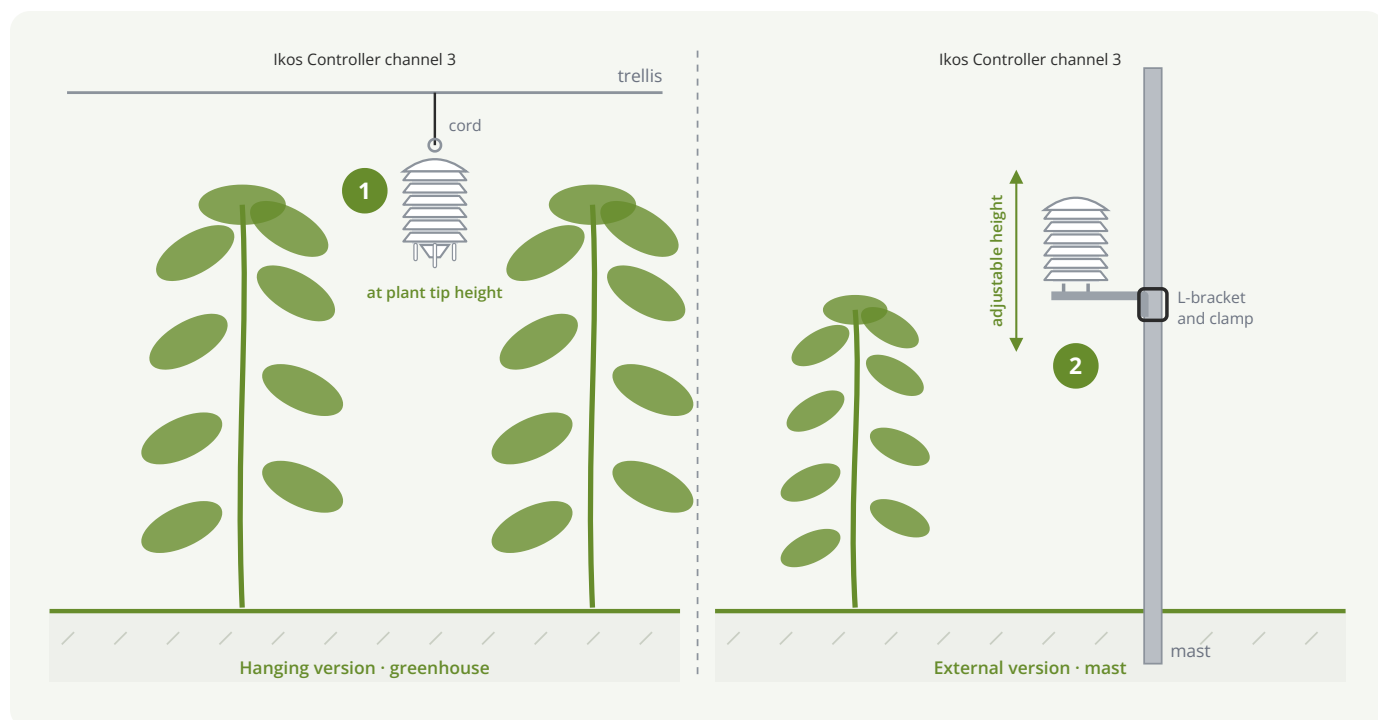
Features

- Measures air temperature, humidity and pressure and calculates VPD.
- Anti-radiation ABS housing.
- Two mounting versions: hanging (with cord) and external (with L-bracket, adjustable height on the mast).
- I2C output to channel 3 of the Ikos Controller.

Technical specifications

Voltage	5 V
Output signal	I2C
Working range	Temperature $-40 \sim +85$ °C · Humidity 0 – 100 % · Pressure 300 – 1100 hPa
Resolution	VPD 0 – 10 kPa · Temperature 0.01 °C · Humidity 0.008 %
Accuracy	Pressure 0.18 Pa · Temperature ± 1 °C · Humidity ± 3 %
Hanging version (colgante)	With hanging cord
External version (externo)	With painted metal L-bracket and mast clamp
Material	Anti-radiation ABS BGT-BYX; painted metal bracket (external version)

Installation



- Hanging version: hang it with its cord from the trellis, above the Ikos Controller, at the height of the plant tip, and raise it as the plant grows.
- External version: fix the L-bracket to the mast with its clamp, at crop height.
- Connect it to channel 3 of the Ikos Controller or to its labelled input on the Ikos Cosmos datalogger.

Packages that include it

PACKAGE	UNITS AND POSITION
Greenhouse Package (Nexus)	Hanging · 1 unit · channel 3
Open Field Package · Terra	External · 1 unit · channel 3
Open Field Package · Atlas	External · 1 unit · channel 3
Open Field Package · Vinea	External · 1 unit · channel 3
Hydroponic Package (Cosmos)	External · 1 unit · on the datalogger pole