

Description

Sensor that measures soil water tension from 0 to 1000 mbar. It shows how hard the roots have to work to take up water and helps decide when and how much to irrigate.



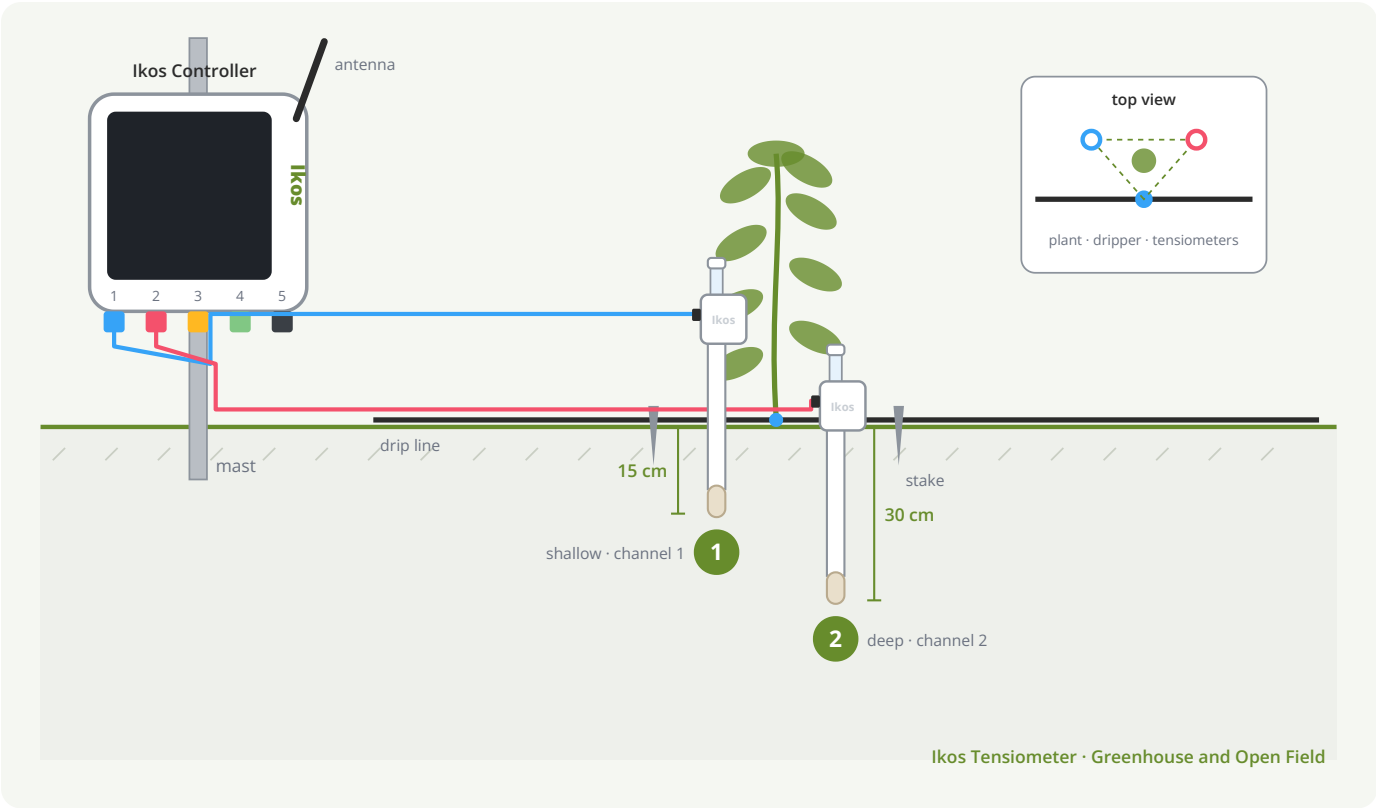
Features

- Continuous measurement from 0 to 1000 mbar with 0.5 % accuracy.
- Available in 30 cm and 60 cm lengths.
- Porous ceramic tip and transparent tube to check the water level.
- Installed in pairs (shallow and deep) to see how water moves through the soil profile.

Technical specifications

Length	30 cm or 60 cm
Measurement	0 – 1000 mbar
Power supply	5 V
Accuracy	0.5 %
Overload pressure	150 % FS
Temperature compensation range	–10 ~ 70 °C
Operating temperature range	30 °C ~ +70 °C
Zero temperature coefficient	0.3 % FS/10 °C
Material	ABS body and head (Terluran [®] GP-35); transparent PVC tube; porous ceramic tip

Installation



- Screw the ceramic tip onto the tensiometer body.
- Bury the tensiometers one on each side of the plant, forming a triangle with the dripper, at the depth set for each package.
- Anchor the drip line with a stake on each side.
- Connect the shallow one to channel 1 and the deep one to channel 2 of the Ikos Controller.

Packages that include it

PACKAGE	UNITS AND POSITION
Greenhouse Package (Nexus)	2 × 30 cm · at 15 cm (channel 1) and 30 cm (channel 2)
Open Field Package · Terra	2 × 30 cm · at 15 cm (channel 1) and 30 cm (channel 2)
Open Field Package · Atlas	30 cm at 20–30 cm (channel 1) and 60 cm at 40–45 cm (channel 2)