

Soil probe



The soil probe

The Soilcrop is a capacitive soil probe, guaranteeing ultra-precise monitoring of irrigation management data.

Temperature and humidity measurements

Sensors are positioned at four depths (10 cm, 20 cm, 40 cm, and 60 cm) to provide precise temperature and humidity data directly from the soil.

This data simplifies the identification of the soil's moisture needs, enabling irrigation to be initiated at the optimal time.

Technical specifications

Measurements		
Temperature measurement	Operating principle	Capacitive
	Operating temperature range	-40°C - +70°C
	Measurement range	-40°C - +70°C
	Accuracy	+/-0,5°C
	Resolution	0,1°C
Humidity measurement	Operating principle	Capacitive
	Operating temperature range	-40°C - +70°C
	Measuring range	0% - 100%
	Accuracy	+/-3%
	Resolution	0,01%
Mechanical characteristics		
Probe characteristics	diameter	38mm
	power	from 5 to 24 Volt DC
	Weight	3,5 kg
	length	70cm
	cable length	5m
	reading levels	10cm (or multiple of 10) between each sensor
General		
Communication	Data transmission frequency	Every hour
	Network	4G
Other	GPS	

