Wireless sensor for soil measurement VWC/EC/T (DLS-Teros12)

DLS-Teros12-eriyb



- Measures T/EC/VWC

- Needle length 5.5 cm
- Battery life of more than 5 years
- Compatible with all Wireless Value base stations
- Transmission range 1,600 metres (clear line of sight)

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Description

DLS-Teros12

The Wireless Value DLS-Teros12 measures soil moisture, EC and soil temperature. The sensor provides 5 values: pore EC (the EC during watering), bulk EC (the EC as the medium dries out), soil temperature, and soil moisture calculated for both substrate and open ground. Measurement results are transmitted wirelessly to the base station, where the data can be used for monitoring and analysis. The DLS-Teros12 can be used for soil measurement in covered cultivation, in soft fruit, and in open field crops (such as avocado, orange, etc.).

- Memory to store 10,000 measurements
- Adjustable measurement interval
- Attractive IP65 ABS enclosure
- Existing system can be expanded easily with additional sensors
- Battery replaceable by user

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Specifications

General

Casing	IP65
Colour	Black
Battery life	over 6 years
Model	Meter Group Teros12

Measurement range

Temperature	-40 to 60 °C
Operating limits	-20 °C to +80 °C
VWC	0 to 100%
Bulk EC	0–20,000 µS/cm
Signal range	1,600 meters with clear line of sight

Measurement accuracy

Temperature	±0.5 °C from -40 to 0 °C ±0.3 °C from 0 to +60 °C
VWC	±0.03 m3/m3 (±3.00% VWC)
Bulk EC	+/- (5% + 10 µS/cm) from 0–10,000 µS/cm. +/- 8% from 10,000–20,000 µS/cm

Measurement resolution

Temperature	0.10 °C
VWC	0.0010 m3/m3
Bulk EC	1 µS/cm

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	9.4 x 2.4 x 7.5 cm. Pin length 5.5 cm
Weight	270 grams