



Wireless soil moisture sensor

The Wireless Value DLXm-Teros10 easily measures soil moisture using a robust sensor. Measurement results are transmitted wirelessly to the base station where the data can be used for monitoring and analysis.

Features

- Simple soil moisture measurement
- Needle length 5,4 cm
- Battery life + 5 years
- Compatible with all Wireless Value base stations
- Transmission range 1,000 metres (unobstructed line of sight)

Applications

- Soil moisture measurement in covered cultivation
- Soil moisture measurement in soft fruit
- Soil moisture measurement in open field (avocado, orange, etc.)

Specifications

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

The connected base station sends the sensor values to:

- Wirelessvalue.online (LAN or mobile provider)
- Wirelessvalue.online (for direct connection to climate computer or irrigation system)

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Technical specifications

Model	Wireless Value module incl. Teros10 sensor
Type	advanced soil moisture sensor
Sensor type	SDI12
Measurement range	
VWC	±0.03 m ³ /m ³ typical in mineral soils that have a solution EC <8 dS/m ±0.05 m ³ /m ³ typical in media that has a solution EC <8 dS/m
Measurement interval (M)	adjustable between 1 second and 255 minutes, standard 2 minutes
Operating limits	-20°C to +80°C
Power supply	1 AA 3.6 V lithium battery or 12V DC
Battery life	At least 5 years at 2-minute measurement interval
Memory	10,000 measurements
Order code South America (Peru)	WSW-DLXs-Teros10
Frequency plan	US902-928
Frequency	916,500 MHz
Legislation	RED, CE
Range	1,000 m with unobstructed line of sight
Enclosure	IP65
Colour	matte black
Dimensions	105 (l) x 70 (w) x 32 (h) mm industrial: 190 (l) x 100 (w) x 43 (h) mm
Weight	67 grams, industrial: 270 grams
Configuration	SensorGraph
Ordering options	
Enclosure options	Wireless Value, Fibox or Hammond
External antenna	optional
Overpressure protection	optional
External power supply	optional

