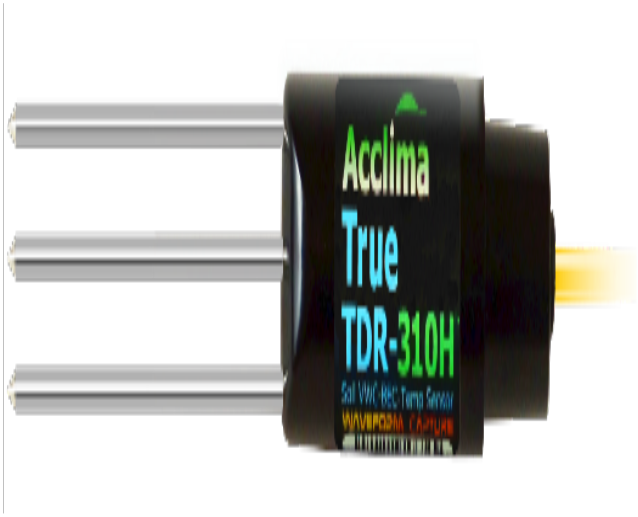
Wireless module including Acclima TDR310H soil moisture sensor (DLS-TDR310)



- Measures T/EC/VWC
- Ideally suited to mineral soil (open ground)
- Probe length 10 cm
- Battery life of over 5 years
- Compatible with all Wireless Value base stations
- Transmission range 1,600 metres (line of sight)

Wireless module including Acclima TDR310H soil moisture sensor (DLS-TDR310)

DLS-TDR310-erinb



Description

DLS-TDR310

The Wireless Value DLS-TDR 310H measures soil moisture, EC and soil temperature. The Acclima is particularly suitable for use in open ground. Measurement results are transmitted wirelessly to the base station, where the data can be used for monitoring and analysis. The DLS-TDR 310H can be used for soil measurement in covered cultivation, in soft fruit and in open fields (for avocados, oranges, etc.).

- Memory capacity for storing 10,000 measurements
- Adjustable measurement interval
- Attractive IP65 ABS housing
- Existing system can be easily expanded with additional sensors
- User-replaceable battery

Wireless module including Acclima TDR310H soil moisture sensor (DLS-TDR310)

DLS-TDR310-erinb

Specifications

General

Battery type	ER26500
Battery life	over 5 years
Model	Acclima TDR 310H

Measurement range

Temperature	-40 to +55 °C
Operating limits	-20 °C to +80 °C
VWC	0% to 100%
Bulk EC	0 to 2000 µS/cm
Pore Water EC	0 to 55000 µS/cm
Signal range	1,600 metres (line of sight)

Measurement accuracy

Temperature	+/- 0.25 °C
Bulk EC	+/- 25 µS/cm at 0 – 1000 µS/cm. +/- 2.5% at 1000 – 2000 µS/cm
Pore Water EC	Hilhorst model

Measurement resolution

Temperature	0.1
VWC	0.1
Bulk EC	1
Pore Water EC	1

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

Dimensions	Pin length 9.92 cm, pin diameter 3.5 mm
Sensor dimensions	20 cm x 3.3 cm
Weight	270 grams excl. battery