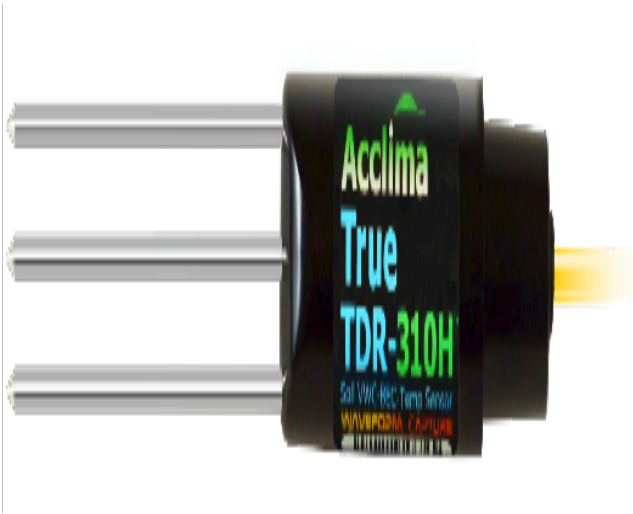


# Wireless module including Acclima TDR310H soil moisture sensor (DLS-TDR310)



- 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 DLS-TDR310-erinb TDR310H soil moisture sensor (DLS-TDR310)



## 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                 |