

SOIL MOISTURE

ACC-SEN-SDI

ACCLIMA DIGITAL TDT SINGLE LEVEL SOIL MOISTURE SENSOR



Specifications

Part Number	ACC-SEN-SDI
Reports Soil Temp	34° to 122°F/1° to 50°C
VWC Accuracy	2% (typical)
VWC Temp. Stability	1% of full scale 1 to 50C
VWC Soil EC Stability	1% of full scale 0 to 5 dS/M bulk EC
EC Reporting Accuracy	0.2 dS/M, 0 to 5 dS/M bulk EC
Temp. Report. Accuracy	3.6F (2.0C)
Soil Volume	100 ml
Operating Voltage	4 to 15V
Operating Temperature	34° to 122°F/1° to 50°C
Dimensions (inches)	2 1/8 W x 9/16 H x 8 L
Dimensions (cm)	5.4 W x 1.4 H x 20.3 L
Wire Length	120 inches/304 cm

Features

The Acclima Digital TDT® Soil Moisture Sensor is the first moisture sensor to incorporate the accuracy of digitized Time Domain Transmissometry in a low-cost instrument, providing highly accurate absolute readings of soil moisture under all conditions of temperature and soil chemistry under which crops will grow.

- No maintenance, simple permanent installation
- Reports volumetric water content (VWC): 0 to 100%
- Reports soil permittivity
- Reports soil conductivity (dS/M)
- Moisture readings stable as salinity and fertilizer content change
- Moisture readings stable as soil temperature changes
- SDI-12 communication protocol

Requires a DX80DR9M-H1-13261 Multi-hop Data Radio

EasyAG30

SENTEK EASYAG THREE-LEVEL SOIL MOISTURE SENSOR PROBE



Specifications

Part Number	EASYAG30
Accuracy	1.8%
Operating Voltage	4.5 TO 15 VDC
Operating Temperature	-4° to 167°F/-20° to 75°C

Features

The Sentek EasyAG probe is an easy to install, slim-line soil water measurement probe. It is designed to monitor the soil moisture profile at THREE different levels. Sensors are located at 4, 8 and 12 inches/10, 20 and 30cm.

- Reports volumetric water content (VWC): 0 to 100%
- Uses Frequency Domain Reflectometry (FDR) to measure soil water
- Sphere of influence: 99% of the reading is taken within a 10 cm radius from the outside

Requires a Sentek EasyAG installation kit - part #70508

Requires a DX80DR9M-H1-13261 wireless data radio

EasyAG50

SENTEK EASYAG FIVE-LEVEL SOIL MOISTURE SENSOR PROBE



Specifications

Part Number	EASYAG50
Accuracy	1.8%
Operating Voltage	4.5 TO 15 VDC
Operating Temperature	-4° to 167°F/-20° to 75°C

Features

The Sentek EasyAG probe is an easy to install, slim-line soil water measurement probe. It is designed to monitor the soil moisture profile at FIVE different levels. Sensors are located at 4, 8, 12, 16 and 20 inches/10, 20, 30, 40 and 50cm.

- Reports volumetric water content (VWC): 0 to 100%
- Uses Frequency Domain Reflectometry (FDR) to measure soil water
- Sphere of influence: 99% of the reading is taken within a 10 cm radius from the outside

Requires a Sentek EasyAG installation kit - part #70508

Requires a DX80DR9M-H1-13261 wireless data radio