

AquaCheck Soil Moisture Equipment



SUB-SURFACE Probe



Description

Capacitance electronic sensors measuring soil moisture content. The sensors are placed inside a round plastic tube. The sensors are powered by an external source. Data has to be collected and saved by an optional compatible device.

Capacitance soil moisture sensors are mostly used for agriculture as part of an irrigation scheduling system.

Properties

Technology:	Capacitance
Installation depth:	20mm below soil surface
Number of sensors:	Multiple configurations between 2 and 15
Sensor depths:	Multiple configurations between 100mm and 1600mm
Shaft diameter:	32mm
Communication interface:	SDI-12, RS-485
Power requirement:	0,01mA during idle, 20mA for 2 seconds during measurement
Sensor resolution:	Approx 13 bits
Temperature sensor:	-20°C to 51°C (Int 0.1°C)