

AquaCheck Soil Moisture Equipment



Basic Wireless Probe



Description

Capacitance electronic sensors measuring soil moisture content. The sensors are placed inside a round plastic tube. The sensors are powered by an internal battery and store data onboard. Data may be downloaded with an optional compatible device.

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

Properties

Technology:	Capacitance
Number of sensors:	Multiple configurations between 2 and 6
Sensor depths:	Multiple configurations between 100mm and 1200mm
Shaft diameter:	32mm
Onboard storage:	2047 timed logs (42 days at 30min interval)
Communication interface:	Short range proprietary RF
Power output:	10mW
Frequency:	868/918 MHz
Power requirement:	0,01mA during idle, 20mA for 2 seconds during measurement
Sensor resolution:	Approx 13 bits
Temperature sensor:	0°C to 51°C (step 0.2°C)
Battery:	2 x 3.6V Lithium-Ion batteries
Compliance:	CE, FCC certified