

Technical Data

SM1 Soil Moisture Sensor



Soil moisture and temperature

The SM1 soil moisture probe is an extremely flexible system, offering capacitance based measurement of soil moisture plus temperature monitoring.

Measuring range soil moisture	0 ... 100% Vol
Measuring range temperature	-55°C ... +70°C
Method	HF Capacitance
Accuracy	+/- 2% (with site specific calibration +/-1%)
Interface	SDI-12
Lengths	30, 60, 90, 120, 150cm
Number of soil moisture sensors	One every 10cm on all versions
Number of temperature sensors	30cm sensor: 1 at 15cm 60cm sensor: 2 at 15 and 45cm 90cm sensor: 3 at 15, 45 and 75cm 120cm sensor: 4 at 15, 45, 75 and 105cm 150cm sensor: 5 at 15, 45, 75, 105 and 135
Power supply	5.5 ...12VDC
Connector	7-pin male Binder connector M9
Tube diameter	32mm (1.25")