

PR2

Soil Moisture Sensor

The PR2 Profile Probe uses newly patented 1 sensing technology making it possible to measure soil moisture content in a range of soil types and across a wide range of nutrient levels, including saline soil conditions.

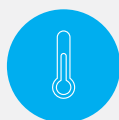


No other soil moisture probe system enables you to monitor your soil water profiles with such ease and flexibility. The PR2 soil moisture probe is built around newly patented sensing technology which provides unprecedented performance in all soil types, with minimal influence from either salinity or temperature. The PR2/4 model measures soil moisture at 4 depths down to 40 cm or the PR2/6 measures at 6 depths down to 100 cm.

The PR2 Profile Probe access tube requires an installation hole 27 mm in diameter, allowing easy installation and minimal soil disturbance. Access tubes are manufactured to strict tolerances and are exceptionally strong and durable in the soil. Correct installation is essential and we recommend the use of our specially designed augering equipment.



Soil moisture content -
not just trends



Low salinity and
temperature
sensitivity



Out of the box solution -
supplied with soil calibrations
for common soil types



Portable meter option
for convenient multi-
site measurement



SDI-12 interface option
available

Technical specifications

Range ⁽¹⁾	0 to 0.4 m ³ .m ⁻³
Accuracy	± 0.04 m ³ .m ⁻³
Output ⁽²⁾	ANALOGUE: 0 to 1.0 V differential PR2/6: x6 outputs, PR2/4: x4 SDI-12: Digital
Power requirements ⁽³⁾	ANALOGUE: 5.5 to 15 V [3] PR2/6: ~ 120 mA for 1 s PR2/4: ~ 80 mA for 1 s SDI-12: Power consumption <60 mA at 12 V DC Sleep current <2 mA at 12 V DC
Sensing depths	PR2/6: 10, 20, 30, 40, 60, 100 cm PR2/4: 10, 20, 30, 40 cm (nominal)

⁽¹⁾ Measures full range up to 1.0 m³.m⁻³ with reduced accuracy

⁽²⁾ Corresponding to 0 to 0.6 m³.m⁻³

⁽³⁾ 5.5 V DC with 2 m cable, 7.5 V with 100 m

Sample volume	Vertically: ~95 % sensitivity within ± 50 mm of upper rings. Horizontally: ~95 % sensitivity within 200 mm diameter
Size	PR2/4: 750 x 25.4 mm diameter PR2/6: 1350 x 25.4 mm diameter
Sealing	IP 67