

EnviroPro[®]

Soil Moisture Probe

High Performance Multi-Function Sub Surface Soil Probe Monitors Soil Moisture, Soil Temperature and Soil Salinity Suitable for use in all soil types

The EnviroPro is filled with unique features:

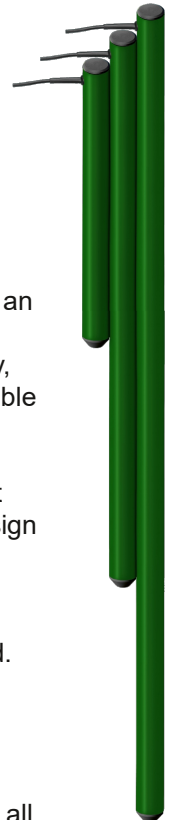
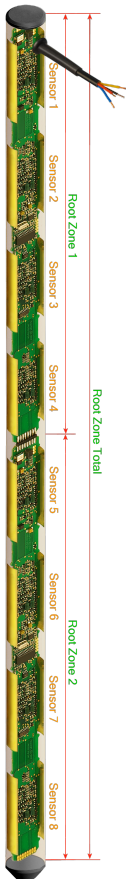
- Sensor elements are fitted every 10cm along the probe body
- The probe is fully sealed and the internal electronics potted in resin
- The probe is extremely reliable and very stable
- It requires no maintenance
- It has been optimised for sub-surface installation
- It is compatible with any logging devices / telemetry units which support the SDI-12 interface
- It is the first multi-sensor probe with salinity error compensation

The EnviroPro's revolutionary design measures soil moisture, soil temperature and as an option, soil conductivity. Soil moisture readings are compensated for both temperature and (in a world first) soil salinity errors. With sensors every 10cm along the probe body, you get true profiling of moisture through the plant's root zone. The EnviroPro is available in lengths of 40, 80, 120 and 160cm, so there is a size that's right for every crop.

The internal electronics are fully encapsulated in resin, meaning that all circuits are protected from water damage - the traditional enemy of soil moisture sensors. This not only makes the probe highly reliable, it makes it consistent and stable. The sealed design is also maintenance free, saving you both time and money over the probe's life.

With the EnviroPro, irrigation scheduling has never been so easy. You can see exactly where in the root zone irrigation is reaching and where plants are drawing water. The salinity feature lets you track changes in nutrient levels as fertiliser is applied and used. You can also use the EC and moisture data to pick the best time to apply a leaching irrigation and flush excess salts from the soil.

The buriable design protects the probe from damage caused by stock and machinery. The EnviroPro's readings are made available over an SDI-12 interface. SDI-12 has become the dominant protocol for environmental monitoring and is available on nearly all telemetry and data loggers.



Backed by a 5 year replacement warranty

Configurations	40cm 4 Sensor 80cm 8 Sensor 120cm 12 Sensor 160cm 16 Sensor	Diameter	36 mm
Versions	Standard: Soil Moisture and Soil Temperature EC: adds Soil Conductivity	Installation	Auger a 38mm hole and install the probe in a bed of slurry
Power Supply	6 to 15V DC	Maintenance Warranty	None required - fully sealed probe 5 Year, return to manufacturer
Power Consumption (per 40cm Segment)	Sleep 0.4mA Measurement 60mA for 0.64 sec Data transfer 18mA for 0.4sec	Ordering	EP100DL-04 EnviroPro 40cm 4 sensor EP100DL-08 EnviroPro 80cm 8 sensor EP100DL-12 EnviroPro 120cm 12 sensor EP100DL-16 EnviroPro 160cm 16 sensor
Accuracy	Range: 0 to 60 % VSMC	EP100D-04 EnviroPro 40cm 4 sensor with EC EP100D-08 EnviroPro 80cm 8 sensor with EC EP100D-12 EnviroPro 120cm 12 sensor with EC EP100D-16 EnviroPro 160cm 16 sensor with EC	
Soil Moisture	Accuracy: 0-35% +/- 5% Range: -10 to +80 °C		
Soil Temperature	Accuracy: +/- 1% Range: 0-3 dS		
Soil Conductivity	Accuracy: Soil specific		



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