

# EnviroPro®

## The Probe that Measures Moisture, Temperature and Salinity NOW WITH 3 YEAR WARRANTY

The *EnviroPro*® is a slimline completely sealed maintenance free probe. This is available in 40, 80, 120 and 160cm lengths, with sensors positioned every 10cm down the length of the probe. Each sensor has three outputs; soil moisture, temperature and salinity. The probe can be configured to output any combination of moisture, temperature and salinity from any of the sensors down the profile.

The *EnviroPro*® has a unique split electrode design that significantly increases the area of measurement. The *EnviroPro*® is totally maintenance free, providing reliable, repeatable and consistent data. Moisture readings are expressed as relative volumetric soil water content, and with soil specific calibrations, absolute soil moisture readings can be measured. Also, as the *EnviroPro*® is a fully potted and sealed probe, it is buried below ground level. Therefore it is an ideal probe for use in any crop where the probe head must not protrude from the soil surface. Examples are pasture, turf, playing surfaces, lucerne, and broad acre.

Parameter	Range/Specification	Accuracy/Qualifier
Method	HF Capacitance	
Power Supply	6 to 14 VDC	
Sensor depths:		
EP100C-04: 40cm probe	10 cm resolution	
EP100C-08: 80cm probe	"	
EP100C-12: 120cm probe	"	
EP100C-16: 160cm probe	"	
Interface (digital)	TLL / RS232 SDI-12	Direct or multidrop up to 200 metres
Power Consumption		
Idle	300 uA	
During Measurement	60 mA	For 1.4 seconds
During Data Transfer	18 mA	For 0.4 seconds
Soil Moisture (Volumetric Soil Moisture Content)	0 to 100%	Accuracy +/- 1% in reference medium at 0 to 35%
Soil Temperature	-10 °C to 60 °C	+/- 1 °C
Soil Salinity	0 to 6 dS/m	+/- 5%
Diameter	34.5mm	
Installation Method	Oversize hole 37mm, slurry in bentonite/sand(AFS85) mix. Mix dry mixture first.	930 grams of sand +/- 5% 70 grams of betonite +/- 5% 700 mls of water +/- 5%
Maintenance	Nil.	Fully sealed and potted probe.

**"Our customers are our best advertisement"**

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