



PEAK ENVIRONMENTAL MONITORING

*irrigation management
environmental monitoring
soil and water monitoring*

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Authorised Distributor - Col Peak. CIAg *

Peak Environmental Monitoring

EnviroPro[™] by tekor

The Probe that Measures Moisture, Temperature and Salinity

The **EnviroPro[™]** by tekor[™] 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[™]** by tekor[™] has a unique technique that measures absolute soil moisture content, instead of just returning soil moisture levels like most other capacitance probes on the market today.

Also, as the **EnviroPro[™]** by tekor[™] is a fully potted and sealed probe, it can be 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

EP100C-08: 80cm probe

EP100C-12: 120cm probe

EP100C-16: 160cm probe

10 cm resolution

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.

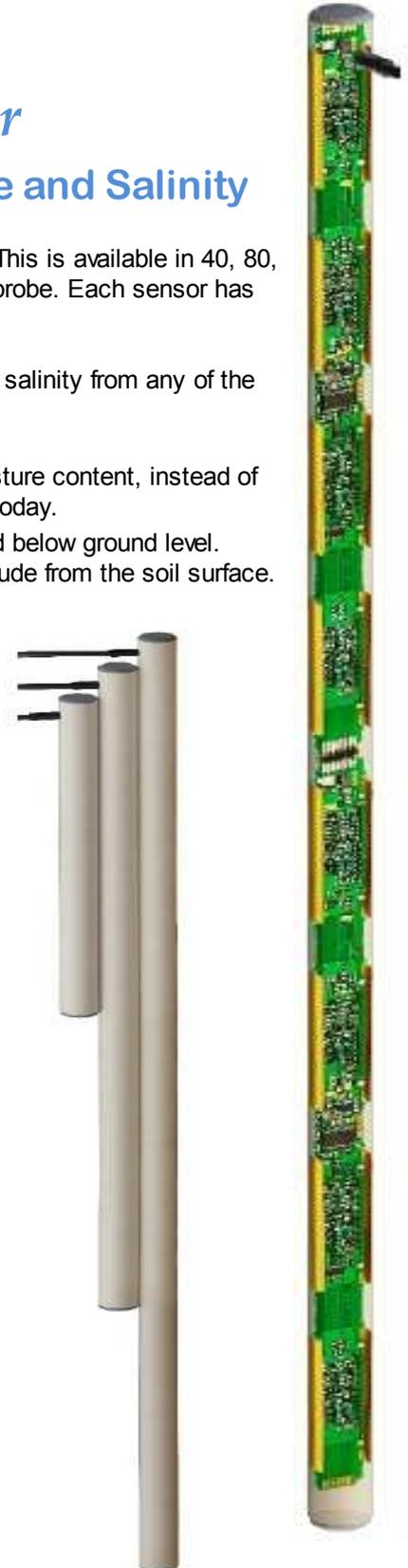
Mix dry mixture first.

930 grams of sand +/- 5%

70 grams of betonite +/- 5%

700 mls of water +/- 5%

Maintenance Nil - Fully sealed probe.



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