



EnviroPro[®]
PRECISION SOIL PROBES

SETTING NEW STANDARDS IN MOISTURE & SALINITY MANAGEMENT



The EnviroPro[®] measures moisture, temperature and salinity in all soil types providing accurate and repeatable data year after year.

EnviroPro[®] probes are available in lengths of 40cm, 80cm, 120cm and 160cm. With sensors at every 10cm a complete picture of the soil profile is possible.

EnviroPro[®] accurately monitors and reports the movement of water throughout the root zone saving irrigation and water costs whilst maximising crop yields.

EnviroPro[®] also monitors the movement of nutrients by tracking the changes in salinity and the build-up of salinity in the root zone.

EnviroPro[®] allows users to apply leaching irrigation only when required saving time, water and money. EnviroPro[®] lite can be upgraded remotely* via telemetry to enable EC (salinity) measurements. All EnviroPro[®] sensors are factory calibrated eliminating the need to be re-calibrated in the field.

EnviroPro[®] is maintenance free. Our probes are fully encapsulated and environmentally sealed against all moisture and chemicals.

Our industry leading 5 year replacement warranty further protects your investment.

**This feature must also be supported by the connected equipment.*

Entelechy Pty. Ltd.

ACN 611 963136

ABN 59 611 963 136

Unit 4, 8 Aristotle Close
Golden Grove South Australia 5125

T +61 8 8251 7559

F +61 8 8251 5519

M +61 408 004 548

sales@enviropsoilprobes.com
helpdesk@enviropsoilprobes.com
www.enviropsoilprobes.com

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ENTELECHY

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SPECIFICATIONS

Moisture resolution: 0.01%
 Salinity resolution: 0.001 dS/m
 Temperature resolution: 0.01 °C
 Moisture accuracy: +/- 2% @ 0% VWC to 50% VWC
 Useable salinity range: 0 to 6 dS/m*
 *Upper limit of non-contact capacitance sensors
 Salinity accuracy: +/- 5% @ 0 to 4 dS/m
 +/- 5% @ 10% to 30% VWC
 Temperature accuracy: +/- 1 °C @ 25 °C

Units of Measure

Moisture: Volumetric Water Content %

Salinity: dS/m ECe

Temperature: °C or °F

Interface: SDI-12 version 1.3

Wiring: Red +6 to +15VDC

Black 0V

Blue Data

Yellow Not connected (reserved for future use)

Power Supply: +6 to +15 VDC

Reverse voltage and lightning protected

Operating temperature: -20 to +60 °C

Power Consumption:

Sleep 0.1mA per sensor (0.4mA for 4 sensor probe) Active

current 1mA per sensor (4mA for 4 sensor probe)

Measurement current 64mA @150ms per sensor

Compliance:

AVAILABLE ACCESSORIES

EPCU – EnviroPro Configuration Device



The EnviroPro® Configuration Unit provides a convenient interface between EnviroPro soil probes and a PC's USB port. Tasks like pre setting addresses, identifying model

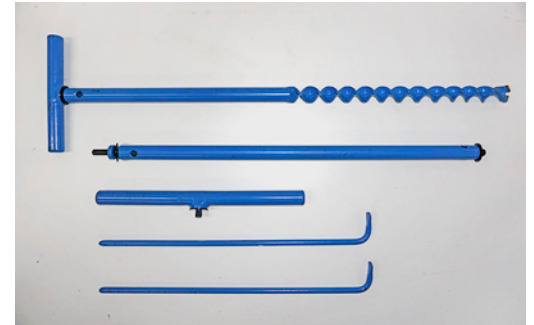
and serial numbers, applying upgrade keys and checking functionality of the probe prior to installation are all made easy with this device. Other features include SDI bus exploring, a transparent mode interface, probe demo mode, and more.

EP Installation Kit



A easy to use and durable boring kit to suit most installation sites.

EP Heavy Duty Installation Kit



This kit provides alternate boring tools for more challenging soil structures.



EP Extraction Tool

Invaluable for quickly and safely removing or relocating Enviropro probes.



EP Cable

For those longer cable runs. Supplied in 100m coils. 4x tough PE insulated inner cores of (0.44mm² ea) , in a black UV stabilised PVC jacket.