



MANUFACTURER

**ENTELECHY**  
*Realising potential.*



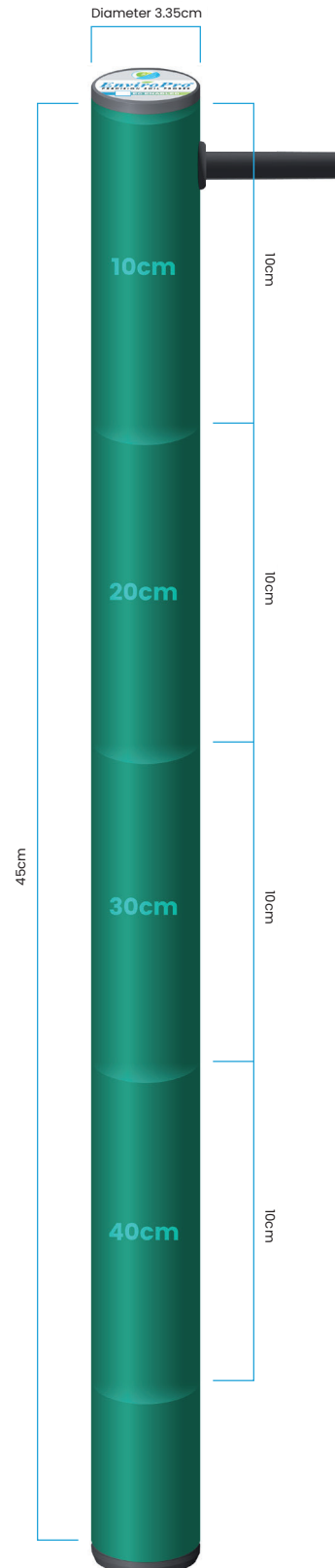
RESELLER

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**EnviroPro**<sup>®</sup>  
PRECISION SOIL PROBES

TECHNICAL SPECIFICATIONS



ENVIROPRO<sup>®</sup> TECHNICAL SPECIFICATIONS



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### Models with 7 pin cable end for easiest connection to ADCON RTU

Model	Moisture Points	Temp	EC	Sensing	Length (cm)
A203733002	●	●	●	4	46.5
A203733003	●	●	●	8	86.5
A203733004	●	●	●	12	126.5
A203733005	●	●	●	16	166.5
A203733006	●	●		4	46.5
A203733007	●	●		8	86.5
A203733008	●	●		12	126.5
A203733009	●	●		16	166.5

### Models with open cable end

Model	Moisture Points	Temp	EC	Sensing	Length (cm)
A203733012	●	●	●	4	46.5
A203733013	●	●	●	8	86.5
A203733014	●	●	●	12	126.5
A203733015	●	●	●	16	166.5
A203733016	●	●		4	46.5
A203733017	●	●		8	86.5
A203733018	●	●		12	126.5
A203733019	●	●		16	166.5

### Available accessories

A801100081	EnviroPro Installation Kit
A801100082	EnviroPro Dismounting Kit

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## Specifications

**Diameter:** 33.5mm +/-0.2mm

**Field of influence:** 55mm from wall of probe

**EnviroPro sensitivity (per probe) as a function of sampled volume:**

Model	Total Soil Volume Detected
EnviroPro with 4 Sensors	6.4 litres
EnviroPro with 8 Sensors	12.8 litres
EnviroPro with 12 Sensors	19.2 litres
EnviroPro with 16 Sensors	25.6 litres

**Moisture resolution:** 0.01%

**Salinity resolution:** 0.001 dS/m

**Temperature resolution:** 0.01 °C

**Moisture accuracy:** +/- 2% @ 0% VWC to 50% VWC (\*with respect to dielectric)

**Useable salinity range:** 0 to 6 dS/m\* (\*upper limit of non-contact capacitance sensors.)

**Salinity accuracy:** +/- 5% @ 0-4 dS/m at 10%-30% VWC

**Temperature accuracy:** +/- 1 °C @ 25 °C

**Units of measure:**

Volumetric Water Content (VWC%)

Salinity dS/m

Temperature °C or °F

**Interface:** SDI-12 version 1.3

**Power supply:** +5.6 to +16VDC (Reverse voltage and lightning protected)

**Operating temperature:** -20 to +60 °C

**Protection class:** IP65/IP68 continuously at depth of 2m

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**Electrical characteristics with power consumption within 5,6 to 16VDC:**

Model	Pro / Lite	Pro / Lite	Pro / Lite	Pro / Lite
Sensors	4	8	12	16
Mode	Max	Max	Max	Max
Sleep current	0.45	0.90	1.35	1.80
Idle current	7	14	21	28
Active current (not sampling)	32	39	46	53
Active current (sampling)	72	79	86	93
Active time / sampling time**	380	760	1140	1520

[in mA]

[in mA]

[in mA]

[in mA]

[in ms]

\*\* measurement sampling time occurs within the active time period

**Cable length:** 5m

**Wiring for models with open cable end:**

Wire	Function
Red	PWR [+5.6 to +16V]
Blue	DATA
Black	GND [0V]
Yellow	Not used [reserved for future use]

**PIN configuration for models with 7 pin cable end:**

