

Product Specifications

Feature	Maximum cable length to logger or third party device	Maximum sensors per standard probe	Protocol options	Current consumption	Accuracy when calibrated	Resolution	Precision	Reading range	Operating temperature range	Temperature effects	Time read one sensor	Sphere of influence	Sensor Diameter	Access tube diameter
EnviroSCAN®	500m (1666ft)	16	RS232 or RS485 selectable	0mA @ standby 80mA @	R ² =0.992	0.008%	+/- 0.003% Vol	Oven dry to saturation	-30° to +85° Celsius	+/-3% 5-35°C	1.1sec	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
Diviner® 2000		one sensor measures up to 16 depths			Better than 1% volumetric soil water content			Oven dry to saturation	0° to +70° Celsius			99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
EnviroSMART® Plus (RS232)	5m at 9600bps***	16	AT Commands	670µA @ sleep 100mA @ sampling 4.5V -15Vdc	R ² =0.992	0.008%	+/- 0.003% Vol	Oven dry to saturation	-20° to +75° Celsius	+/-3% 5-35°C	50mS	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
EnviroSMART® Solo	5m	16	SMCP2	400µA standby @ 12V DC, 105mA sampling (moisture) @ 12VDC, 105mA sampling (TriSCAN) @ 12V DC	R ² =0.992	0.008%	+/- 0.003% Vol	Oven dry to saturation	-20° to +75° Celsius	+/-3% 5-35°C	45mS maximum (moisture), 90mS maximum (TriSCAN)	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
EnviroSMART® RS485	1000m (4000ft) at*** 9600bps****	16	Modbus or SMCP2*	970µA @ sleep 100mA @ sampling 4.5V -15Vdc	R ² =0.992	0.008%	+/- 0.003% Vol	Oven dry to saturation	-20° to +75° Celsius	+/-3% 5-35°C	50mS	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
EnviroSMART® SDI-12	60m at (200ft)	16	SDI-12	250µA @ sleep 46mA @ Standby 100mA @ sampling 4.5V -15Vdc	R ² =0.992	0.008%	+/- 0.003% Vol	Oven dry to saturation	-20° to +75° Celsius	+/-3% 5-35°C	50mS	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm
EnviroSMART® Voltage	0.26mV drop per 1m*** equates to 1 bit error per 5m****	4	0-5 voltage (can be user Specific)	0mA @ sleep <2.5mA @ Standby 100mA @ sampling 4.5V -15Vdc	R ² =0.992	0.025% minimum or better depending on sensor output	+/- 0.003% Vol	Oven dry to saturation	0° to +70° Celsius	+/-3% 5-35°C	50mS	99% of the reading is taken within a 10cm radius from the outside of the access tube	50.5mm	56.5mm