EnviroSMART™

Easily Integrated Soil Water Monitoring Probe

What?

Sentek's EnviroSMART® probe, like the EnviroSCAN®, is a multi-depth soil water monitoring probe. The EnviroSMART® difference is the ability to connect the soil water monitoring probe to a wide range of technologies, such as data loggers, radios, weather stations and irrigation controllers. In addition, EnviroSMART® probes can connect to a range of wireless and web-enabled solutions including GSM, GPRS, CDMA 1X and satellite communication. The EnviroSMART® sensor technology utilizes Frequency Domain Reflectometry (FDR) to measure soil water.

Why?

These integrated solutions provide the user flexibility to record not only continuous soil water data but also to:

- ☑ Record other relevant information such as weather data simultaneously with your soil water data
- ☑ Access data remotely
- ☑ Utilise existing data logging technology
- ☑ Implement automated irrigation control

EnviroSMART®

EnviroSMART® Probe

- ☑ Multiple sensors with flexible depth placement (10cm increments)
- ☑ Monitor from shallow depths (0cm – 10cm) to deep installations (up to 30 metres)
- ☑ Length of EnviroSMART® probe can be customised to suit a wide range of applications
- ☑ Up to 16 sensors per probe
- ☑ In-built probe orientation and depth settings to increase sensor repeatability
- ☑ A range of connectivity for integration is available including:
  SDI-12, Voltage Output, Current Output, RS 485 (Modbus) and RS 232 (Modbus).

Access Tube

- ☑ Customised access tube increases sensor accuracy
- ☑ Sensors have no direct contact with the soil
- ☑ Specially sealed to guarantee long term operation
- ☑ No preferential path flow of water alongside the probe body
- ☑ Probe and sensors are readily accessible and serviceable without destroying the site
- ☑ Easily change sensor configuration
- ☑ Minimised soil and root disturbance
- ☑ Data continuity after probe service

www.sentek.com.au

Sentek sensor technologies

For over 16 years revolutionizing soil moisture, fertilizer and salinity management

EnviroSCAN® Diviner2000® EnviroSMART® EasyAG® IrriMAX® TriSCAN® EnviroSCAN® Plus EnviroSCAN® Solo