

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**

Partner Companies

EnviroSMART® probes have the ability to connect to a wide range of technologies for data logging and communication. Sentek's key partner companies who manufacture such technologies as data loggers, weather stations, irrigation controllers, wireless communication devices and web enabled solutions include:

- ✓ Adcon Telemetry – www.adcon.at
- ✓ Campbell Scientific International – www.campbellsci.com
- ✓ Campbell Scientific Australia – www.campbellsci.com.au
- ✓ Coeus – www.outpostcentral.com
- ✓ DataTaker – www.datataker.com
- ✓ Environment Information Technologies – www.eitechnology.com.au
- ✓ Hydrodata Network – www.hydrodata.com.au
- ✓ Innovaciones Técnicas Agrícolas S.L. - www.intacdn.com
- ✓ Lindsay Manufacturing Company – www.zimmatic.com
- ✓ MAIT Industries - www.mait.com.au
- ✓ Metos – www.metos.at
- ✓ SWIMS EnviroLINK – www.envlink.net
- ✓ WiSA Irrigation Solutions – www.irrigatewisa.com.au



For Further Information

Please contact your local Sentek Distributor for further information. Sentek Distributors' contact details are available at www.sentek.com.au under the "Where To Buy" menu option.

Alternatively, please telephone Sentek Sensor Technologies on +61 8 8366 1900 or within Australia freecall 1800 SENTEK (1800 736 835), email sentek@sentek.com.au or visit www.sentek.com.au."

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