

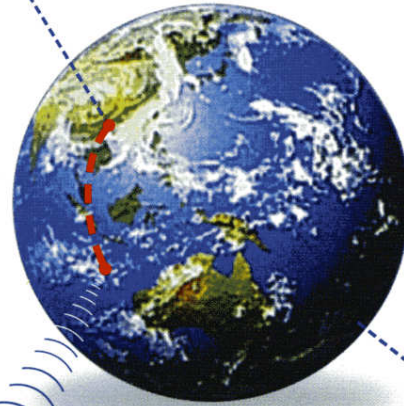
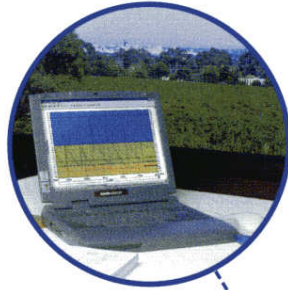
# EnviroSMART™



**Sentek** sensor technologies  
[www.sentek.com.au](http://www.sentek.com.au)



**AQUAGRI ACE**  
Serviços e Equipamentos de Gestão de Água  
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# What ?

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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 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 utilises Frequency Domain Reflectometry (FDR) to measure soil water.

## Why ?

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- 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)
- ✓ Can 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