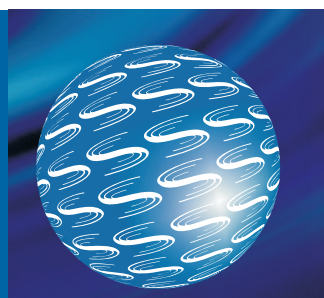


# Product Range

'proven quality, enduring value'

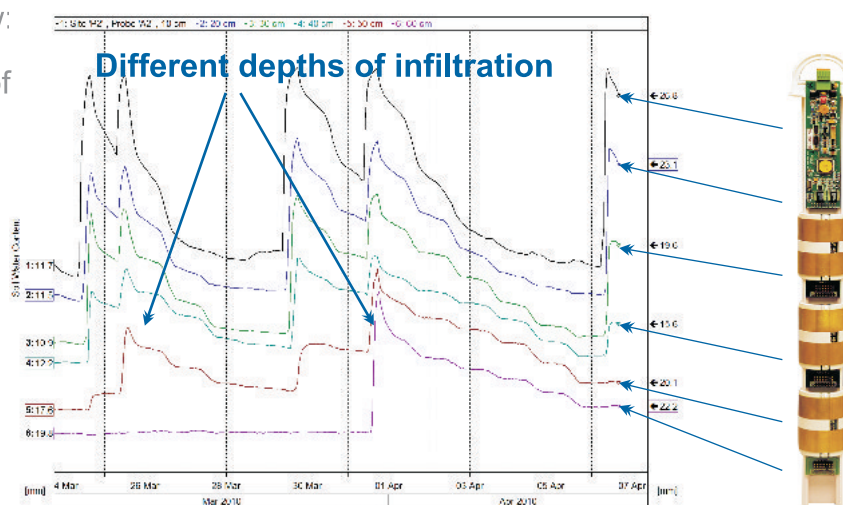


## The Power of Soil Water Dynamics

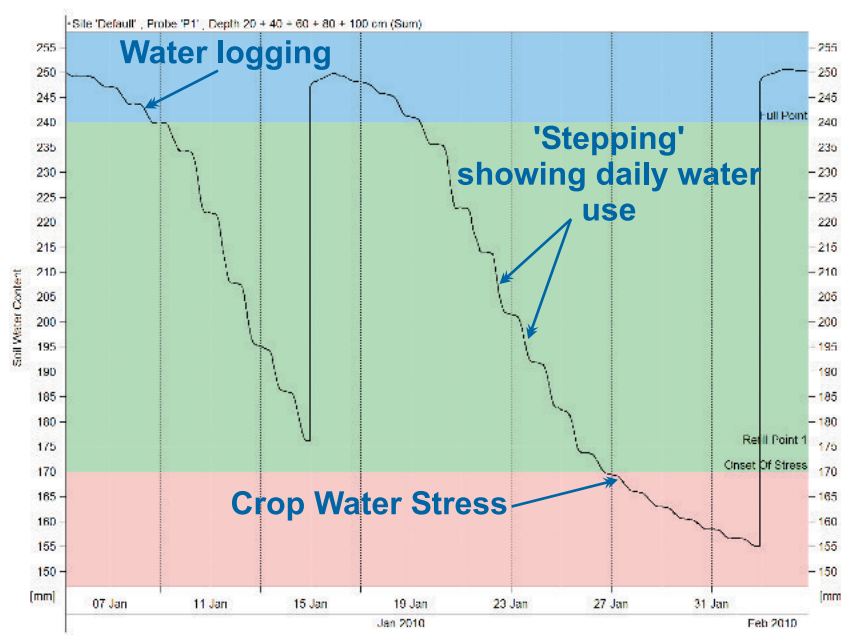
With Sentek products the user receives much more than simple soil water data. Sentek technology has revolutionised the way in which soil water is viewed and managed through a profile, by unlocking the secrets of soil water dynamics. Different crop water uptake patterns reveal key information about site-specific soil water conditions at any given time, allowing users to clearly visualise what is happening beneath the ground surface.

Soil water data from multiple depths, displayed alongside key weather, irrigation and salinity data in Sentek's IrriMAX software, can clearly show:

- the effectiveness and depth of infiltration of rainfall and irrigation
- active depth of root zone at different times of the growing season
- amount of water uptake and evapotranspiration from different parts of the root zone
- deep drainage
- fluctuating water tables



The sum of moisture within the entire plant root zone can show:



- dynamics of crop water uptake patterns
- drainage
- water logging stress
- plant drought stress
- critical moisture and management thresholds
- soil water storage

Diviner 2000 • EnviroSCAN • EasyAG • TriSCAN • SentekPlus • SentekRT6 • SentekSolo • IrriMAX • Sentek SoluSAMPLER

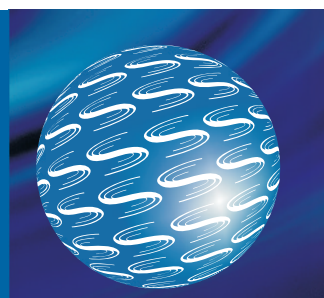
Your local distributor is:

**Sentek sensor**  
technologies  
www.sentek.com.au

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# Product Range

'proven quality, enduring value'



## SENSORS



### Soil Moisture

Volumetric water content



### TriSCAN

Volumetric water content & salinity

## CONTINUOUS MONITORING



### EnviroSCAN probes

Flexible sensor placement & probe depths



### EasyAG probes

Smaller probes for shallow measurements

## DATA RETRIEVAL

Sentek  
Stand-alone  
Solutions



**Sentek Solo** battery powered, logging probe, in-field download



**Sentek RT6** proprietary datalogger, flexible download options, multiple probe connectivity



### Sentek Plus

wireless to internet data transfer

**GPRS**  
**3G**

3rd Party Integration

probe interface / output options

**SDI-12**

**Voltage**

**Modbus**

**RS232**

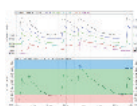
**RS485**

## PORTABLE MONITORING



### Diviner 2000

## SOFTWARE / DATA ANALYSIS



### IrrimaX

## INSTALLATION TOOLS



For all products

## ANCILLARY PRODUCTS



### SoluSAMPLER

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

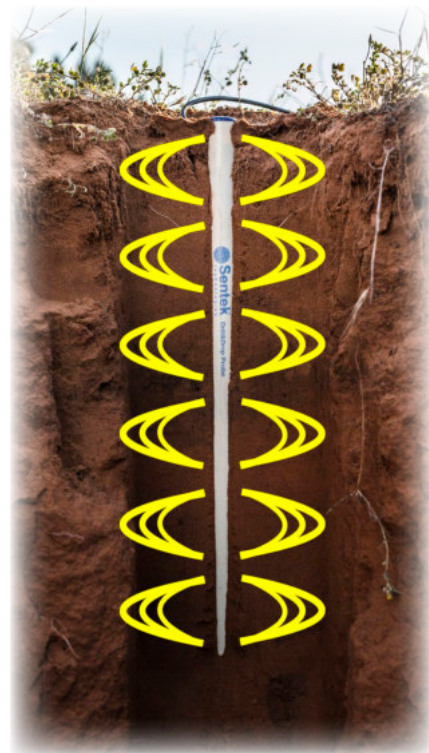
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## Encapsulated Soil Moisture, Salinity and Temperature Probe

The **Drill & Drop** is a fully encapsulated, easy to install soil measurement probe. Available with moisture, salinity and temperature sensors at every 10cm (4") depth.

### Features

- Robust probe and easy installation:  
**Scan the QR code to watch our Drill & Drop video**
- Fully encapsulated electronics
- Tapered shape allows for extremely fast and high-quality undisturbed installation in majority of soil types
- Ability to measure the true soil profile, NOT slurry
- Buriable to any depth
- Sentek-proven quality soil moisture and salinity measurements
- Pre-normalised sensors with inbuilt default calibration equations
- Access soil profile data through IrriMAX Live
- Available in multiple lengths, and as a single point sensor



## User Benefits

- Great for short-term use, such as in applications of monitoring vegetable crops, due to the fast and easy install
- Also designed for long-term use, as it can be installed and left untouched for many years
- Potential water, power, fertilizer and time savings, along with increased yields and quality
- Slurry-free installation procedure, increasing the reliability of soil moisture and salinity readings

10.5cm/4"

30cm/12"

60cm/24"

90cm/36"

120cm/48"

- Less prone to machinery damage with electronics being completely buried

- Combine soil moisture, salinity and temperature readings to see what's happening in the soil profile

**Sentek Single Point Sensor & Drill & Drop Probe Specifications**

Probe Lengths	10.5cm (4")	30cm (12")	60cm (24")	90cm (36")	120cm (48")
Number of Sensors	1	3	6	9	12
Outer Probe Diameter	Top: 24.5mm Bottom: 24mm	Top: 30mm Bottom: 28.75mm	Top: 30mm Bottom: 27.5mm	Top: 30mm Bottom: 26.25mm	Top: 30mm Bottom: 25mm
Types of Sensors (at each depth)	Moisture + Temperature OR Moisture + Temperature + Salinity				
Resolution	Moisture = 1:10000 Salinity = 1:6000 Temperature = 0.3°C				
Moisture Precision	+/- 0.03% vol.				
Temperature Accuracy	+/- 2°C @ 25°C				
Operating Temperature	-20°C to 60°C				