

Soil Moisture Monitoring



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Sentek's technology records soil water, temperature and salinity data at multiple depths in the soil profile.

The high resolution data displayed in Sentek's powerful IrriMAX software gives valuable insight into water and solute movement, and plant water uptake.

Measure. Know. Advance.

Soil Moisture Probes

Sentek probes measure volumetric moisture content based on scientifically derived calibration equations.

Diviner 2000

A portable probe and hand-held logger combination measuring soil moisture over multiple depths (at 10cm intervals) in the profile. The sensor is simply swiped in and out of the access tube, automatically measuring up to 16 depths in just a few seconds.

EnviroSCAN

Great flexibility for precision monitoring of moisture, temperature and salinity at multiple depths in a soil profile.

The probe length and sensor placement can be customised to suit agricultural, research or environmental applications.

Enjoy a long field life with repairable and replaceable parts.

Drill & Drop

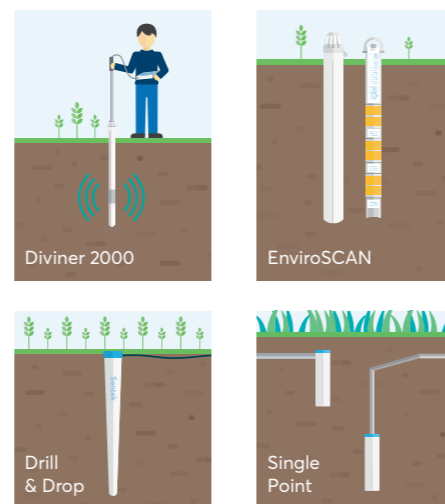
The tapered Drill & Drop probe is fully sealed and easy to install. It is available in 30cm, 60cm, 90cm and 120cm lengths, with moisture and temperature sensors every 10cm. The TriSCAN options measure moisture, temperature and salinity.

Single Point

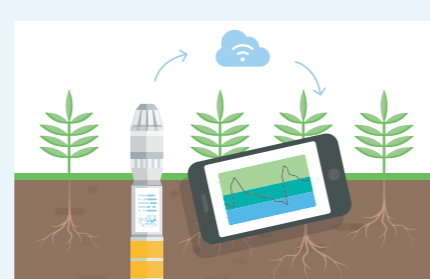
Ideal for use in nurseries, turf, and environmental monitoring. Just 10.5cm in size and available with two cabling options, it can be completely buried. Measures soil moisture and temperature (and salinity with TriSCAN option).

All-in-One

The All-in-One is a complete probe and telemetry solution. Comprising of an EnviroSCAN probe and Sentek PLUS modem technology, all packaged into a cable-free solution.



Refer to Sentek technical guides for further details on probe protocols and connection to Sentek Telemetry. Integration is also available with SDI-12, Modbus RS232 and RS485 systems. Illustrations not to scale.



Telemetry and Data Transfer

Data collected by Sentek probes can be retrieved via a range of options, and transmitted to IrriMAX software for tracking and analysis.

Refer to Sentek technical guides for further information regarding connection types. Illustrations not to scale.

SOLO

- Data collected via transportable SoloPORTER USB device.
- Optional direct download via cable connection to laptop.
- Same interface as Sentek PLUS, allowing for simple upgrade to wireless communications.

PLUS Standard

- 12-volt battery with solar panel for low maintenance self-charging.
- Data transmission via cellular or satellite modem with antenna.
- Front panel connectivity for local downloading (for data access if telecommunication services are unavailable).

PLUS Compact

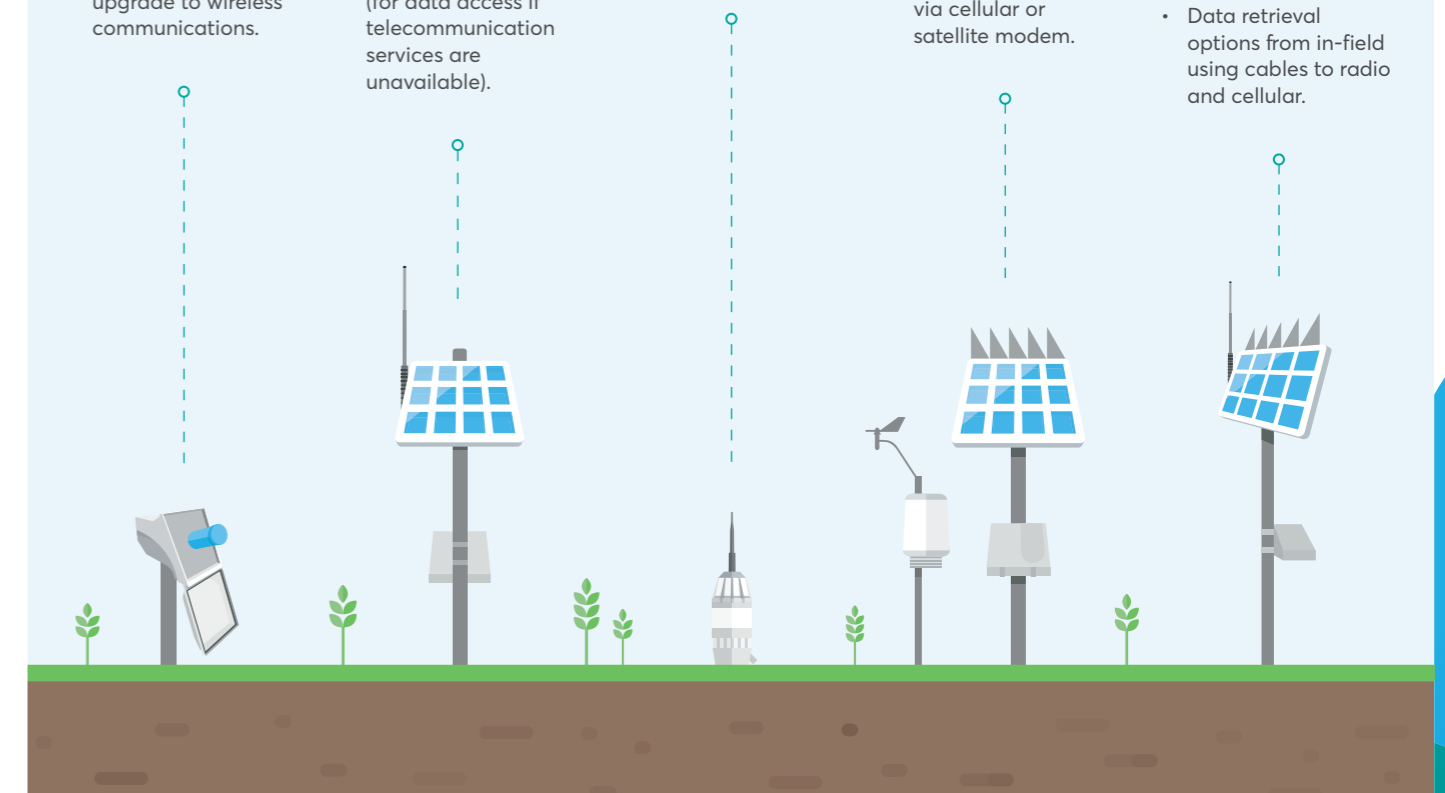
- A simple complete monitoring solution.
- Built in long-life battery with no solar panel.
- Data transmission via cellular or satellite modem.
- Optional high gain antenna.

MULTI

- Connect up to 2 cabled soil moisture probes.
- Add-on connections to temperature, rain and irrigation monitoring systems.
- Create a customised system using multiple inputs.
- Data transmission via cellular or satellite modem.

RT6

- In-field logger can connect up to 8 probes via cables.
- High gain antenna can be positioned above tree canopies for improved range.
- Solar powered for low maintenance.
- Cable length up to 500 metres.
- Data retrieval options from in-field using cables to radio and cellular.



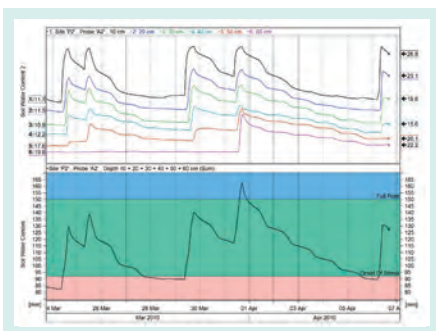


Tested. Proven. Supported.

The Sentek range of best-in-class soil monitoring solutions delivers accurate monitoring, fast data retrieval and user-friendly data analysis and display. Every product is rigorously tested and validated by the global scientific community and is engineered to be the highest quality.

Advanced Software

By monitoring moisture changes at multiple depths in the soil profile, it is possible to track root activity and know where and how much water is available at any depth and establish soil property parameters.



IrriMAX Live

IrriMAX Live provides you with access to your Sentek monitoring equipment via an intuitive web platform. All the setup is done for you. Monitor crop performance from your smart device, quickly checking daily water use. View a map of your fields to assess water needs at each site. You can also share your data online with customers, staff or consultants.

IrriMAX 10 Desktop

Soil moisture and salinity data from all of Sentek's monitoring solutions is viewed in our highly acclaimed and easy to use IrriMAX Desktop software. The 'Premium' and '2D' versions have advanced analysis, display and consulting features.