

Drill & Drop Probe



Easy installation, accurate soil moisture, salinity and temperature measurement.

The Drill & Drop probe is fully encapsulated and can be completely buried, reducing the risk of machinery damage.

Features

- 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.
- Pre-normalised sensors with inbuilt default calibration equations.
- Access soil profile data through IrriMAX Live.
- Available with moisture, salinity and temperature sensors at every 10cm (4") depth.

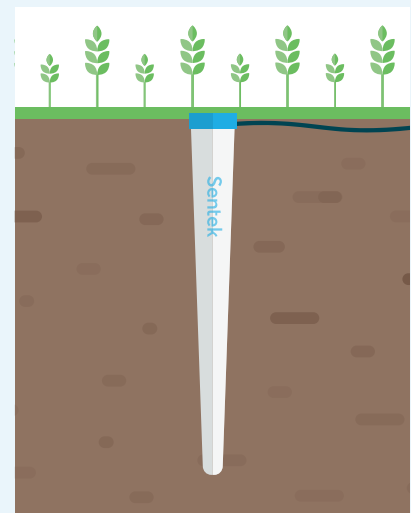


Watch the installation video on YouTube [Sentek Technologies](#)



Benefits

- Best choice for short-term use, such as the monitoring of vegetable crops, due to the fast and easy install and extraction techniques.
- Reliable option for long-term use, as it can be installed and left untouched for many years.
- Manage irrigations to save water, power, fertiliser and time, along with increased yields and quality.
- Fast and undisturbed, slurry-free installation procedure, increasing the validity of soil moisture and salinity readings.
- Combine soil moisture, salinity and temperature readings to see what's happening in the soil profile.



Sentek 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 = 1:600	Temperature = 0.3°C	
Moisture Precision	+/- 0.03% vol.				
Temperature Accuracy	+/- 2°C @ 25°C				
Operating Temperature	-20°C to 60°C				

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IrriMAX Live

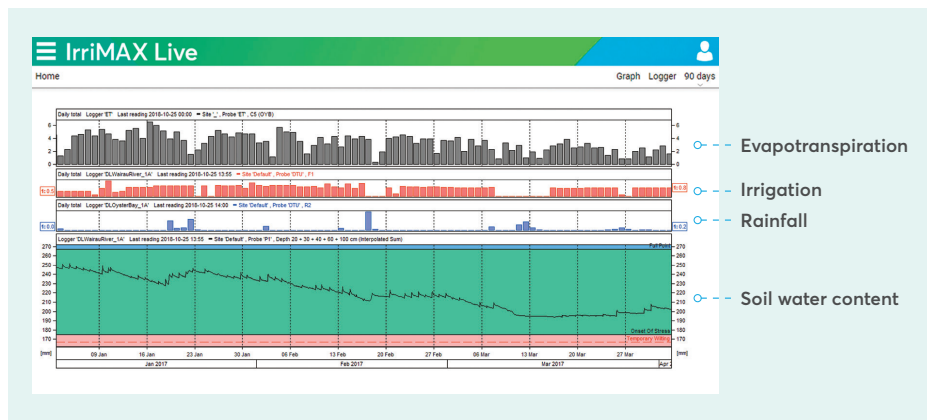


IrriMAX Live is your online portal to an integrated display of soil moisture, salinity, and temperature data.

Using the same high-resolution engine as Sentek's acclaimed IrriMAX Desktop software, this intuitive web-based platform allows real-time monitoring of crop water use for precision irrigation management. Remote access and sharing of data is simple and easy to setup. Smart device views include map, graph, and list options. Know how much water is available at all depths in the soil profile to support decision making.

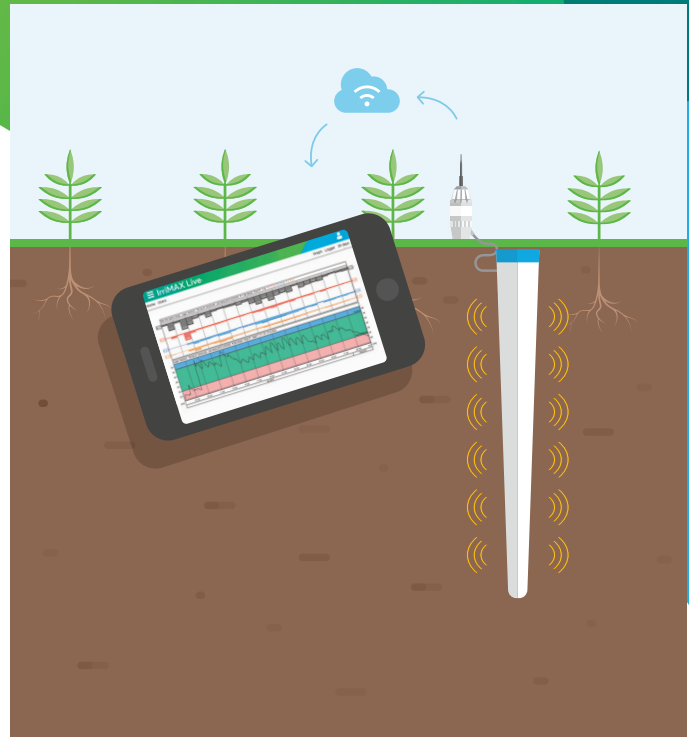
Agronomic Benefits

- Easily access your moisture, salinity, and temperature data through any internet connected device.
- Display probes on maps with colour-coded gauges to show soil moisture status.
- Multiple graph types to suit user requirements.
- Set threshold lines and alerts; add comments; zoom in for more detail.
- Hierarchy of views and permissions can be customised for all types of users.
- Combine data from 2 or more probes to observe 2-dimensional soil moisture, temperature and salinity dynamics.
- All data is secure and backed-up on protected servers.



User Features

- Plot salinity and temperature at each measured depth.
- Zoom in and out to required time and measurement scales.
- Create alerts for chosen thresholds for moisture, salinity, temperature and also battery data.
- Identify and colour code saturation, field capacity, onset of stress and hence plant available water at each crop stage.
- Monitor root activity and measure daily water use, drainage below root zone and infiltration rate.
- Insert comments to communicate or record events and insights.
- Choose from a library of calibration equations.
- Open API to incorporate or share data from outside sources.
- Powerful reporting functions.



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