

# Single Sensor Probe



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

The Single Sensor probe is fully encapsulated and can be completely buried.

## Uses

- Production and research greenhouses.
- Turf and ornamental beds.
- Monitoring below the root zone.
- Groundwater interactions.
- Wastewater leachates.

## Features

- Fast and high-quality installation in majority of soil types and growing media, with good soil contact for data integrity.
- Cable can be attached at side or top, giving installation options.
- Buriable to any depth.
- Pre-normalised sensor with inbuilt default calibration equations.
- Available with moisture and temperature sensor, salinity measurement optional.





The Single Sensor probe is available with SDI-12 connection only, and 5m cable as standard. Different cable lengths can be supplied.

## Benefits

- The probe features two cable configurations:
  - For shallow monitoring where cable needs to stay flat on or under the soil surface, it exits from side of sensor.
  - While for deep monitoring or fitting down a narrow hole, the cable exits from the top.
- Reliable option for long-term use, as it can be installed and left untouched for many years.
- Access soil profile data through SDI-12 communications to a third-party SDI-12 logger.
- Combine soil moisture, salinity and temperature readings to see what's happening in the soil profile.



## Sentek Single Sensor Probe Specifications

Probe Length	10.5cm/4"
Number of Sensors	1
Outer Probe Diameter	Top: 24.5mm Bottom: 24mm
Types of Sensor	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



Probe shown with side exit cable attachment.