

NetaSense

A device that measures the volumetric soil water content. It provides valuable insights, to improve both irrigation planning and strategic decision-making.



Orchards



Greenhouse



Open field



/ Highlights & Benefits

- Cost-efficient
- Robust, designed to remain in the soil
- Requires no installation preparation, no maintenance
- Measures a large soil volume (4cm/1.6" radius from the sensor elements)
- Suitable for all soil types

/ Technical Specifications

- **Equipment Type** – Electronic probe based on TDT technology (Time Domain Transmissometry)
- **Material** – Stainless steel with plastic coating. All electronics are sealed in water-proof epoxy
- **Output Format** – 0.5 - 5.0mA
- **Soil Moisture Range** – 5-50%VWC
- **Accuracy** – ~1%
- **Power Requirements** – 5.5 - 18V DC, 10 - 20mA (max)
- **Operating Temperature** – 0°C to 50°C (32°F to 122 °F)
- **Dimensions** – 27.5 length x 9.5 width x 3.2cm depth (10.6" length x 3.7" width x 1.2" depth)
- **Cable Length** – 3m (9.8ft)

→ Wiring Diagram

Terminal	Wire
+	 Brown
AI	 Blue
-	 Yellow

→ Installation

- Select the optimal location of the probe that represents the average condition of the crop in the plot
- The sensor should be located around 10-15cm from the dripper, within the wetted bulb and the active root zone
- It is recommended to place the sensor horizontally, to enable soil moisture measurement at a specific depth

→ Care & Maintenance

- No maintenance is required

→ Kit Contents

- NetaSense sensor
- Product sheet

→ Catalog Number

Description	Catalog Number
SOIL MOISTURE NETASENSE 0.5-5mA	74390-003800