

NetaCap

An advanced multi-depth soil moisture and temperature sensor that provides valuable insights to improve both irrigation planning and strategic decision-making.



Orchards



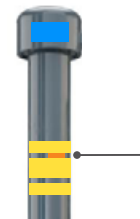
Greenhouse



Field crops

/ Highlights & Benefits

- ✓ High accuracy and reliability
- ✓ Cost-efficient, high-level instrument
- ✓ Easy installation
- ✓ Ideal for all root zones with any soil type
- ✓ Additional ambient temperature measurement on top of the probe



- Air temperature sensor
- Soil moisture sensors
- Soil temperature sensor

/ Technical Specifications

- **Equipment Type** – Electronic probe based on capacitance technology (FDR)
- **Soil Moisture Range** – 0-100% Soil moisture probe (0- 50% VWC)
- **Soil Temperature Range** – -15°C to 64°C (5°F to 147.2°F)
- **Influence of Salinity** – Less than 1% over the standard operating range
- **Available Lengths** – 20, 30, 40, 60, 80, 120cm (8", 12", 16", 24", 32", 47")
- **Body Material** – UV stabilized PVC (polyvinyl chloride) plastic
- **Communication** – RS232
- **Power Source** – 3.6V DC, 50mA
- **Cable Length** – Model WP: 5m (16.4ft), extendable up to 25m (82ft) / Model BP: 3m (9.84ft)
- **Protection** – IP68 (Excluding cable end)

→ Sensor Location Along the Probe

Sensor Depth	Probe Length					
	Bag Probe		Wire Probe			
	20cm (7.8")	30cm (11.8")	40cm (15.7")	60cm (23.6")	80cm (31.5")	120cm (47.2")
10cm (3.9")	✓	✓	✓	✓	✓	
20cm (7.8")	✓	✓	✓	✓	✓	✓
30cm (11.8")		✓	✓	✓	✓	
40cm (15.7")			✓	✓	✓	✓
50cm (19.6")				✓		
60cm (23.6")				✓	✓	✓
70cm (27.5")						
80cm (31.5")					✓	✓
90cm (35.4")						
100cm (39.3")						✓
110cm (43.4")						
120cm (47.2")						✓

*Bag probes are probes without the extended cap, meaning they can be fully submerged in the substrate. They are often used in soilless media in greenhouses, inserted either vertically or horizontally.

→ Wiring Diagram

Terminal	Wire
+	● Yellow
Rx	○ White
Tx	● Green
-	● Brown

→ Installation

1. Select the optimal location of the probe that represents the average condition of the crop in the plot
2. The sensor should be located around 10 - 15cm from the dripper, within the wetted bulb and the active root zone

→ Care & Maintenance

After use, store the probe in a controlled environment with temperatures between 0 to 45 degrees celsius and relative humidity ranging from 0 to 90 percent. Do not store in direct sunlight

→ Kit Contents

- ✓ NetaCap sensor
- ✓ Product sheet

→ Catalog Numbers

Description	Catalog Number
SOIL MOISTURE NETACAP BP 2/20CM	74730-000007
SOIL MOISTURE NETACAP BP 3/30CM	74730-000013
SOIL MOISTURE NETACAP WP 4/40CM	74730-000008
SOIL MOISTURE NETACAP WP 6/60CM	74730-000009
SOIL MOISTURE NETACAP WP 6/80CM	74730-000011
SOIL MOISTURE NETACAP WP 6/120CM	74730-000021