

NetaCap

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



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

/ Benefits & Features

- 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

/ Technical Specifications

Operating 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
TX	● Green
RX	○ White
-	● 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

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