NetaSense

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

/ Benefits & Features

→ 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

Operating 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 / 4-20mA
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

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.
3. 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 Numbers

Description	Compatibility	Catalog Number
SOIL MOISTURE NETASENSE 0.5-5MA	COMPATIBLE WITH ONE AND RADIO-NET	74390-003800
SOIL MOISTURE NETASENSE 4-20MA	COMPATIBLE WITH NMC-PRO AND RADIO-NET	74280-003015

* For further technical information, please contact the DF support team

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