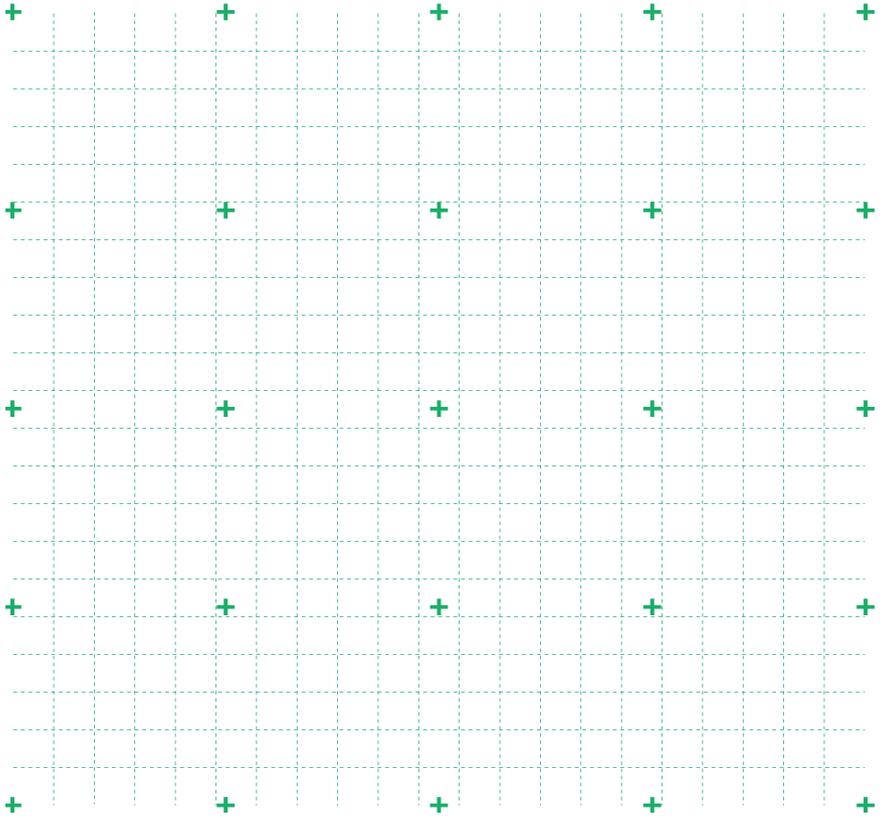# Farmblox

Positive Pressure Sensor

Product Manual —— v1.0

1 Product Overview

Thank you for choosing the Positive Pressure Sensor. The Positive Pressure Sensor can be installed anywhere a standard pressure gauge is installed. It measures absolute pressures from 0 – 150 PSI Absolute and reports readings to the cloud via the Universal Monitor every 2.5 minutes.

Key features include:

- **Pressure range:** 0 – 150 PSI Absolute
- **Standard fitting:** 1/4" NPT thread
- **Durable construction:** Stainless steel body
- **Easy installation:** 1" (25 mm) hex for wrench tightening
- **Wireless reporting:** 2.5 minute update interval

2 Package Contents

Pressure Sensor x1

3 Technical Specifications

Parameter	Specification
Pressure Range	0 – 150 PSI (absolute)
Report Interval	2.5 minutes
Thread Type	1/4" NPT
Hex Size	1" (25 mm)
Body Material	Stainless steel

4 Installation Procedure

Precaution

Please read through all the instructions before installing the Positive Pressure Sensor. Improper installation may lead to leaks, sensor damage, or inaccurate readings.

Preparation

Verify your installation location meets the following:

- Standard 1/4" NPT threaded opening

Mounting

1. Seal Threads

   - Wrap the sensor's 1/4" NPT threads with PTFE (Teflon) tape or apply a suitable thread sealant.

2. Thread Sensor

   - Hand-start the sensor into the fitting to avoid cross-threading.

3. Tighten Sensor

   - Use a wrench on the 1" (25 mm) hex to tighten securely.

Caution: Avoid overtightening to prevent thread or hex damage.

Monitor Connection

1. Align Connector

   - Match the white dot on the sensor connector with the white dot on the Universal Monitor port.

2. Secure Coupling

   - Hand-tighten until snug to ensure a watertight seal.

Caution: Do not overtighten the connector.

Monitor Placement

- Position the Universal Monitor in an area with good sunlight to maintain battery charge.

- Securely mount the monitor to a stable surface or bracket to avoid movement or disconnects.

5 Configuration

Refer to the Universal Monitor documentation to add and configure the Positive Pressure Sensor in the Farmblox app. Wait for the sensor to send a reading to ensure proper installation.
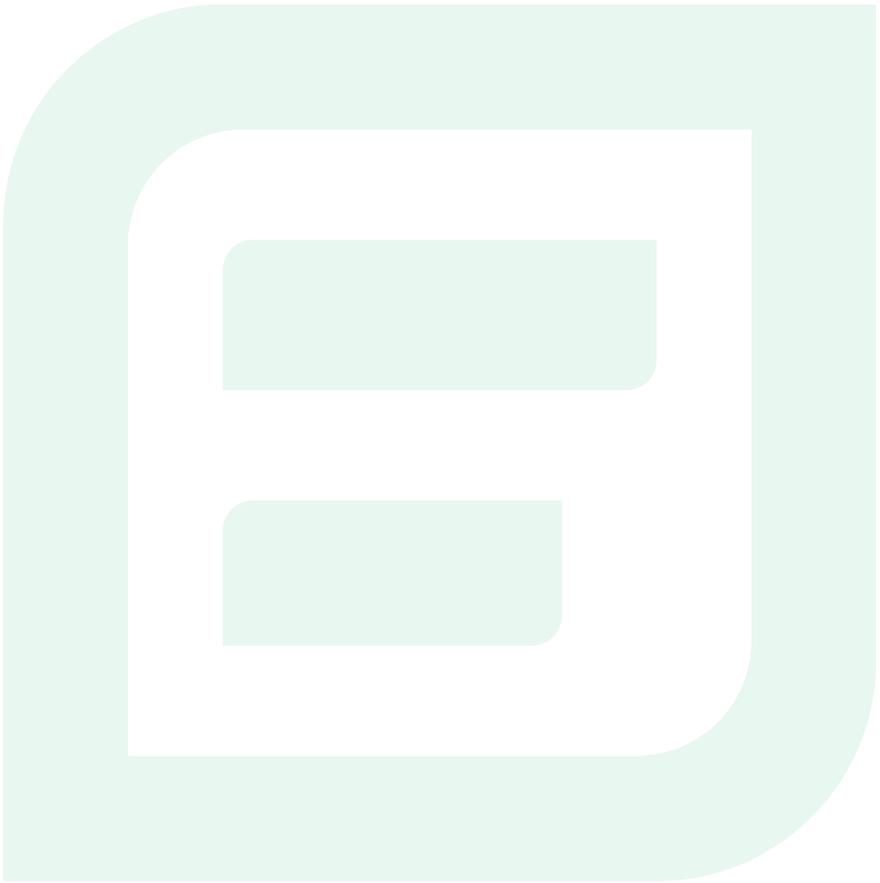
6 Maintenance & Troubleshooting

Periodic Checks

- Inspect the sensor body, threads, and fittings for corrosion, damage, or leaks.

- Clear the solar panel on the Universal Monitor to ensure it is free of debris and obstructions.

Troubleshooting

- Inaccurate or Inconsistent Readings

  - Check to ensure any thread sealant has not obstructed the measurement port.

- No Data Reported

  - Verify Universal Monitor power, battery level, and network connectivity.

  - Ensure the sensor connector is fully seated and tightened.

  - Examine the cable and connector for cuts, kinks, or wear.

- Physical Damage or Leaks

  - Replace the sensor if the stainless steel body or thread seal are compromised.

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Need some help?

support@farmblox.ag