

INDUSTRIAL PRESSURE SENSOR

LORAWAN PRESSURE MONITORING SENSOR ○○○



KEY FEATURES

- ◆ **Accurate Pressure Monitoring:** Measures air, gas, or water pressure with user-selectable transducer ranges.
- ◆ **Multiple Range Options:** Available from 0–50 PSI up to 0–3000 PSI (custom ranges available upon request).
- ◆ **Ultra-Low Power Operation:** Powered by an 8500 mAh Li-SOCl₂ battery supporting up to 5 years of use.

DEVICE OVERVIEW

The **ioX-Connect LoRaWAN Industrial Pressure Sensor** provides accurate air, gas, or water pressure measurement for industrial and environmental monitoring applications. It features a **thread-type pressure transducer** available in multiple range options, making it adaptable for a wide variety of systems — from pipelines and hydraulic lines to water networks and process equipment. Using LoRaWAN® wireless technology, this sensor transmits real-time pressure data to the ioX-Connect platform through any ioX gateway. Its ultra-long-range connectivity and low-power design enable multi-year autonomous operation with minimal maintenance. Configuration and firmware updates can be performed wirelessly via Over-the-Air (OTA) updates through your ioX-Connect account, ensuring effortless setup and scalability for both new and retrofit deployments.

Best For: Real-time pressure monitoring in pipelines, compressors, HVAC, water supply systems, and industrial process control.

TECHNICAL FEATURES

- **LoRaWAN Version:** v1.0.3, Class A
- **Pressure Range:** Multiple options: 0–50 PSI, 0–300 PSI, 0–750 PSI, 0–3000 PSI
- **Installation Type:** Threaded transducer
- **Measurement Medium:** Air, Gas, or Water
- **Operating Temperature:** -40 ~ 85°C
- **Power Supply:** Built-in 8500 mAh Li-SOCl₂ battery (non-rechargeable)
- **Battery Life:** Up to 5 years (depending on reporting interval)
- **Frequency Bands:** CN470 / EU433 / US915 / EU868 / AS923 / AU915 / IN865
- **LoRa RF Performance:** Frequency Range: 862 – 1020 MHz · TX Power: +22 dBm · RX Sensitivity: -139 dBm

