

Wireless Pressure Monitoring with EX Protection: 65xxN and 69xxN with Bluetooth and LoRaWAN

AMSYS GmbH & Co. KG, Mainz, March 2025 – Amsys GmbH & Co KG, a leading provider of innovative sensor solutions, is pleased to announce the launch of the wireless pressure transmitter series 65xxN and 69xxN. These groundbreaking series combine wireless connectivity, exceptional accuracy, and an impressive battery life with EX protection in a weatherproof housing rated IP66/67.



TPS-Low Sensor in 3 verschiedenen Ausführungen

Wireless Freedom with Maximum Precision

The 65xxN and 69xxN series revolutionize pressure monitoring through their advanced wireless communication capabilities. Featuring Bluetooth® Low Energy (BLE) and LoRaWAN® (only 69xxN; 868 MHz for EU / 915 MHz for NA), these transmitters offer flexible connectivity options that ensure reliable data transmission, even in remote or demanding environments.

With an impressive battery life of up to 8 years, these wireless transmitters reduce maintenance effort and minimize downtime, making them the ideal solution for long-term monitoring applications. Their accuracy of up to $\pm 0.1\%$ FS ensures precise pressure measurements, while the wide range of pressure options (0..2, 0..7, 0..20, 0..35, 0..200, and 0..350 bar absolute or relative) provides maximum flexibility for various industrial requirements.

Key Features:

- Multiple wireless communication options: Choose between Bluetooth® Low Energy for short-range connectivity or LoRaWAN® for energy-efficient long-range communication (65xxN: Bluetooth only).
- Extended battery life: Up to 8 years of operation, eliminating frequent battery replacements.
- High accuracy: Precise measurements with an accuracy of up to $\pm 0.1\%$ FS.
- Compact and lightweight: Small, lightweight design for easy installation in confined spaces.



- Programmable thresholds: Customizable event detection for proactive monitoring and alerting.
- Easy configuration: Simple setup and configuration via the TE Sensor-Connect smartphone app.
- Certified for hazardous areas: Safe operation in explosive environments.
- Various thread options: Available with BSPP or NPT threads for compatibility with different systems.

Applications:

The wireless pressure transmitter series 69xxN is designed to excel in a variety of demanding industrial applications, including:

- Oil well monitoring: Reliable pressure monitoring in remote and harsh environments.
- Pipeline monitoring: Continuous monitoring of pipeline integrity and performance.
- Measurement systems for corrosive liquids and gases: Resistant to aggressive media for accurate measurements.
- Condition monitoring: Proactive maintenance and system optimization.

Designed for the Future of Industrial Monitoring

With the wireless pressure transmitter series 65/69xxN, Amsys GmbH & Co KG sets new standards in sensor technology. By combining wireless connectivity, long battery life, and exceptional accuracy, this series enables more efficient, reliable, and flexible pressure monitoring in industrial applications.

The wireless pressure transmitters are now available from Amsys GmbH & Co KG. For more information, including detailed technical specifications, visit the Amsys website or contact the Amsys sales team.

The weatherproof 65xxN and 69xxN pressure transmitters, designed for pressures ranging from 2 to 350 bar, can be read wirelessly via Bluetooth and/or LoRaWAN.

Press Release

AMSYS GmbH & Co. KG



Title

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Outstanding Features:

- Pressure ranges: 0..2, 0..7, 0..20, 0..35, 0..200, and 0..350 bar (absolute or relative)
- Accuracy: Up to $\pm 0.1\%$ FS, TEB of $\pm 1\%$ FS
- Wireless connectivity: 65xxN: Bluetooth, 69xxN: Bluetooth + LoRaWAN
- Battery life: Up to 8 years; easily replaceable battery
- Optional EX certification: Suitable for use in hazardous environments

Product Page

<https://www.amsys-sensor.com/>

The Company

AMSYS GmbH & Co. KG is a German company specializing in sensor technology, particularly pressure measurement. Its product range includes pressure sensors from 1.25 mbar to 800 bar, as well as humidity, temperature, and inclination sensors, along with wireless solutions. In addition to standard products, AMSYS offers custom adaptations to meet specific customer requirements.

Adress

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