



Neuron Gauge Pressure

Neuron Gauge Pressure Sensor is available in several pressure ranges up to 250 Bar and is therefore suitable for a wide range of applications. The wireless sensor comes in a rugged, compact stainless steel housing with a external radio transmitter. Integrated battery ensures up till 10 years of battery life. All measurements are easily accessible from web, app or API.

The sensor transmits data to your nearby Neuron Gateway which then again communicates with the Neuron Cloud. Continuous measurement and instant alarm. Duplex communication enables adjustment of parameters such as measuring frequency.

Alarm levels are easy to set in the app and alerts can be received as push notification, E-mails or SMS. QR-code on the sensor ensures easy and accurate registration in the app.

Typical Applications:

- Water pressure
- Compressed air pressure
- Water level
- Hydraulic pressure
- Industry processes

Advantages

- 👁️ **Wireless sensor with integrated battery**
- 👁️ **Immediate notice in case of anomalies**
- 👁️ **Quick installation**
- 👁️ **Operates 10 years on integrated battery**
- 👁️ **Robust technology for demanding environment**

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Specifications

Part Number	422355 / 422312 / 422356
Measuring Range Gauge	0-1 Bar / 0-16 Bar / 0-250 Bar
Resolution	0.01 Bar / 0.01 Bar / 0.1 Bar
Accuracy	<0.5 % of the range
Overpressure / burst pressure	2x rated / 5x rated pressure
Measuring Frequency	Every 30 sec.
Report Frequency	Reports every 2 min. Or immediately if trigger for critical data transmission is reached, see below
Trigger for critical data transmission	0.1 Bar / 0.5 Bar / 1 Bar change in measurement. (Adjustable at request)
Radio Frequency	868 - 870 MHz
Battery Type	Li-SOCI2 (3.6V)
Operating Time*	Up to 10 Years
IP Grade	IP67
Materials	Stainless Steel 304 / Polyurethane
Operating Temperature Range	Measuring medium: -40 - 125 °C Ambient transducer: -40 - 105 °C Ambient Radio Transmitter: -40 - 85 °C
Connection Type	G ¼" Male
Dimensions LxWxH	Transducer: 66mm x 22mm Radio Transmitter: 50mm x 15mm Cable length: 50cm (M12 connector)

*Depends on measurement frequency, amount of critical data transmissions and ambient temperature