

NANO – Pressure and vacuum switch with display, keys and IO-Link

AMSYS GmbH & Co. KG presents the compact NANO pressure switch from MP Sensor with IO-Link. The NANO pressure switch measures pressures from -1 to 12 bar: The switching outputs can be programmed both conventionally on site using keys and centrally via the IO-Link interface. This makes the switch a future-proof component in a modern Industry 4.0 sensor network!

In addition to a wide range of applications in pneumatics, automation and packaging technology, the Nano is also ideal for monitoring vacuum lifters. It enables considerable energy savings thanks to the pressure-dependent control of vacuum generators by means of adjustable hysteresis (separately parameterizable switch-back point).



The parameters can be quickly and easily adapted to the respective application centrally via the IO-Link interface or using buttons and display. The easy-to-read LED display provides immediate feedback on the control variables. In addition, the sensors can also be subsequently integrated into a manufacturer-independent Industry 4.0-compliant sensor network via an IO-Link-compatible output, which means that the full functionality of the sensor is also available centrally in the network. This makes it easy to implement a central warning system (predictive maintenance), and the system can be operated and programmed remotely. Even without direct access to the system, it can be monitored.

Relative pressures from -1 to 12 bar are connected via the G1/8" internal thread, the electrical connection is made via an M8 plug, which also supplies the supply voltage of 10...30 V. Thanks to a load capacity of 250 mA each, the outputs can already switch many valves directly without relay stages. The Nano is short-circuit protected and comes in an IP65 housing.

With its display and key operation on the one hand and its IO-Link capability on the other, AMSYS offers with the Nano a pressure switch that combines both simple handling on site and sustainability for an integration in future viable networks.

Press Release

AMSYS GmbH & Co. KG



Title

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Nano at a Glance

- IO-Link, version 1.1, frame type 2.2
- Switching status indication via LED
- Pressure ranges: -1 ... 12 bar
- Pressure connection: G1/8" internal thread
- Electrical connection: M8 screw connection
- Supply voltage: 10.8 V .. 30 V
- Two PNP switching outputs
- Measuring accuracy of ± 0.5 % F.S.
- Various switching modes
- Operating temperature: -10 .. 60 °C

Product Page

<https://www.amsys-sensor.com/products/pressure-sensor/nano-pressure-and-vacuum-switch-with-io-link/>

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.

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