ifm offers a variety of pressure sensing solutions at a great value!

ifm efector

Monitor pressure with ifm

ifm offers a variety of pressure sensing solutions at a great value!

... Get to know us
PX Series transmitter with robust housing easily fits in tight spaces

The robust PX pressure transmitters are a reliable solution for hydraulic and pneumatic pressure sensing applications. The transmitter’s ceramic sensing element provides high-burst and over-pressure protection. Output options include 4...20 mA and 0...10 V. With no moving parts to wear or break, the transmitter features a gas-tight measuring cell that reliably detects gas and liquid pressure and withstands aggressive media.

- Analog output for continuous pressure indication.
- Offers a repeatability of 0.15% of full range.
- Robust 316 stainless steel housing.
- Withstands pressure spikes.
- Ideal for hydraulic and pneumatic applications.

► Durable transmitter mounts in areas with limited mounting space

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<th>STARTING LIST PRICE $199 (USD)</th>
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PN Series pressure sensor: A switch / transmitter with numeric display

ifm offers the PN Series of pressure and vacuum sensors for hydraulic and pneumatic applications. Simple pushbutton setup allows the sensor to be parameterized and mounted in less than 5 minutes. The sensor’s numeric display provides an accurate readout of system pressure and switch setpoints. Vacuum sensors provide an accurate readout of increases and decreases in vacuum systems. Stainless steel construction enables the sensor to last in harsh environments.

- Ceramic pressure sensor element is more reliable than mechanical switches.
- Integrated built-in display eliminates the need for a reference gauge.
- Output options:
  - AC relay output
  - DC, PNP or NPN
  - DC dual switching output, PNP
  - 0...20mA analog output

► Switch / transmitter with multiple output options and numeric display

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<th>STARTING LIST PRICE $340 (USD)</th>
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- Reliable capacitive sensing technology using ceramic measuring cells

Capacitive sensing technology transmitters incorporate the same ceramic pressure measuring cell sensing technology found in high accuracy pressure transmitters, at a fraction of the price.
**PK Series switch with adjustment dials that quickly establish setpoints**

PK pressure switches feature mechanical adjustment dials that rotate to quickly establish the setpoint and resetpoint in an application. The switch is adjustable without system pressure and supply voltage, which eliminates the need for a separate gauge. The compact design is ideal for space saving mounting.

- 316 stainless steel process connection and strain gauge technology provide high reliability
- Accuracy is consistent across the range reducing the number of ranges required
- The switch’s high accuracy and long-term stability insure the setpoint does not drift

**PQ Series switch for pneumatic applications in robotics and material handling**

ifm’s PQ series pressure switch is designed for pneumatic applications in robotics and material handling. The switch precisely measures the full range of vacuum and pressure typical in these applications.

The cube-shaped pressure switch easily retrofits traditional pressure switches at a fraction of the price. The compact switch can be installed in areas with limited mounting space.

- Application parameters are set using two pushbuttons.
- A bright, four-digit display indicates system pressure and can be clearly seen from long distances.
- Switch provides two programmable switching outputs or one switching and one diagnostic output.
- Switch can be mounted to a DIN rail or connected to plates or manifolds.

**Reliable sensing principle**

The sensing technology is based on a silicon piezoresistive measuring cell. This cell is insensitive to liquids and deposits that may occur in a pneumatic system.

The miniature silicon cell enables a small low profile housing design that’s a cost-effective solution for pneumatic pressure sensing applications.

For more information about ifm pressure products, visit www.ifm.com/us/pressure.
ifm efector is a leader in the development of innovative pressure sensor technologies for industrial automation and process control applications. Our versatile product line is designed to monitor gases and liquids in a variety of pneumatic and hydraulic applications.

Choose from multiple options to suit your applications
From simple pressure switches and transmitters, to more sophisticated sensors with multiple output options, ifm’s versatile product line offers you the right solution for your pressure sensing applications.

Reliable sensing technologies that offer long life-in-application
ifm pressure sensing products incorporate reliable sensing technologies such as ceramic measuring cells, piezoresistive measuring cells and strain gauge technology. These technologies enable them to withstand high shock and vibration, resist pressure spikes, and offer accurate pressure indication.

Quick installation and easy setup eliminate the need for a gauge
Challenge: mechanical switches can be unreliable and time-consuming to install

Solution: ifm’s pressure sensors can be installed in less than five minutes!

Solid-state, zero-leak devices
ifm’s pressure sensing products do not have any moving parts that can wear out or break in the process.

Flexible output options
Flexible output options enable increased versatility in establishing setpoints and setting analog and switching outputs.

Great price/performance value
ifm pressure sensing products offer reliable performance, durable construction and a price / performance ratio that sets a new benchmark for value in the market.
**PI1 Series pressure transmitters are smaller and easier to install than traditional transmitters.**

- The 2-wire transmitters feature a bright 4-digit numeric display and a scaleable analog output.
- The transmitters incorporate a ceramic pressure measuring cell that provides high burst and over-pressure protection.
- Pushbutton setup enables scaling of analog output.
- 4-digit integrated numeric display.
- Applications include system pressure monitoring, pump protection, filter monitoring and tank level.
- Medium temperature rating -25...125 °C (145 max. 1h).

**PG Series pressure sensor: A switch / transmitter with gauge display**

- Two optical pushbuttons establish application parameters, setpoint and resetpoint.
- Touch-screen surface eliminates pushbutton cavities and prevents liquid ingress.
- Integrated stepper motor drives pointer, eliminating the typical shaking that occurs with mechanical pointers.
- Ergonomic indentations on face assist in turning rotatable display for mounting and viewing flexibility.
- The flush mount, stainless steel design offers high precision (0.2%) indication of pressure values.
- Medium temperature rating -25...125 °C (145 max. 1h).

**PI1 Series two-wire transmitters with flush mounting**

- PI1 Series pressure transmitters are smaller and easier to install than traditional transmitters. The 2-wire transmitters feature a bright 4-digit numeric display and a scaleable analog output. The transmitters incorporate a ceramic pressure measuring cell that provides high burst and over-pressure protection.
- Pushbutton setup enables scaling of analog output.
- 4-digit integrated numeric display.
- Applications include system pressure monitoring, pump protection, filter monitoring and tank level.
- Medium temperature rating -25...125 °C (145 max. 1h).

**ifm pressure sensors and transmitters will increase uptime on your production machinery.**

Replace your existing mechanical switches and transmitters with ifm pressure sensors.

To get started, call an ifm technical specialist.

800-234-7769
ifm efector – close to you!

### Why select ifm for your sensors and controls needs?

**ifm people.** The ifm team of employees is committed to helping you succeed in your business. We directly service and work with over 16,000 customers in the US.

**ifm products.** For over 40 years, ifm has developed, manufactured, and marketed sensors to industries that include assembly and robotics, automotive, material handling, packaging, metal forming, plastics, and food and beverage. We offer a complete family of position sensors, fluid sensors, diagnostic systems, networking products, and wiring solutions.

**Quality.** There can be no compromise in the quality and reliability of sensors that are applied in your production facility. The ifm new product development process incorporates specific testing for sensors and controls to withstand environments with shock and vibration, electrical noise and temperature fluctuations.

**Investment in R&D.** Developing new products that increase uptime and productivity is a core belief of our company. We apply practical innovation to simplify technology and develop products that can have a positive impact on your production process.

**Application know-how.** We have over 40 years of experience in working with industrial automation applications. Our knowledgeable team of technical support engineers will work with you to recommend the right solution, the first time.

**ifm business philosophy.** ifm provides a knowledgeable and courteous service center team to assist with order placement and technical support; offers an efficient distribution center for accurate and on-time delivery of products; publishes list prices in literature and website; and always stands behind the quality and performance of our products.

**Global presence with local focus.** With more than 4,300 dedicated ifm employees in over 70 countries, you can count on local support all over the world.

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