



PFT-2

Pressure transmitter for the sophisticated measurement of gases, liquids and viscous media

SICK
Sensor Intelligence.



Technical data overview

Medium	Liquid, gaseous
Pressure type	Gauge pressure
Pressure unit	bar / bar / psi (depends on variant)
Accuracy	$\leq \pm 0.5 \%$
Process connection	G ½ flush-mounted (ISO 228-1) G 1 flush-mounted (ISO 228-1) G ½ B (EN 837) G ½ external + G ¼ internal (ISO 228-1) (depends on variant)
Connection type	M12 round connector x 1, 4-pin
Enclosure rating	IP66 IP67
Process temperature	-40 °C ... +100 °C
Seal	FKM / EPDM (depends on variant)
Communication interface	-
Output signal	4 mA ... 20 mA, 2-wire
Supply voltage	12 V DC ... 35 V DC

Product description

The electronic PFT-2 pressure transmitter precisely measures pressures in liquids and gases. The device is characterized by its high-quality measurement technology and is ideally suited for demanding measuring tasks in industrial applications. In addition to devices with threaded connections, there are also types with a flush-mounted diaphragm. These diverse variants cover a large range of applications, in particular the measurement of viscous or pasty media.

At a glance

- Relative pressure measuring ranges: 0 bar ... 0.4 bar to 0 bar ... 100 bar
- Output signal: 4 mA ... 20 mA
- Threaded and flush-mounted process connections
- Process temperature: -40 °C to +100 °C
- Measurement accuracy: $\pm 0.5\%$
- Round connector M12, 4-pin
- Fully welded stainless steel measurement cell (piezoresistive sensor element)
- Contains no mechanical moving parts

Your benefits

- Measures reliably and accurately
- Durable and safe, even when used in aggressive media
- Maintenance-free
- Simple and cost-saving installation

Fields of application

- Continuous pressure measurement of liquid and gaseous media in industrial applications
- Pressure measurement in applications with pasty and highly viscous media
- Control of the pressure in dosing and bonding processes
- Hydrostatic level measurement
- Pressure measurement in aggressive media

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com