Product family overview

PET

If one is not enough

SICK
Sensor Intelligence.

Technical data overview

Measuring ranges	
Gauge pressure	0 bar ... 6 bar up to 0 bar ... 600 bar, 0 psi ... 100 psi up to 0 psi ... 8000 psi
Compound pressure	–1 bar ... +5 bar up to –1 bar ... +59 bar, –30 inHg ... +100 psi up to –30 inHg ... +300 psi
Pressure unit	Bar, psi, kg/cm2, kPa and Mpa
Accuracy	≤ ± 1.2 % of span (at room temperature)
Output signal	Analog
Electrical connection	M12 round connector x 1, 4-pin, for angled plug according to DIN EN 175301-803 A (without mating connector)

Product description

The pressure transmitter PET is a solution for OEM customers for use in plant engineering and machine building. With a wide range of available measuring ranges, process connections, output signals, and electrical connections, the PET is well suited for diverse applications, such as in hydraulics, for pumps and compressors, etc.
Its compact dimensions enable integration in narrow spaces. During the development of the PET, durability and a high level of product quality were of paramount importance. As such, the PET has a circularly welded stainless steel membrane and as a result, is well suited for a large variety of fluids.
The manufacturing capabilities are set up for large quantities and provide an optimized cost-value ratio also for individual solutions.

At a glance

- Measuring ranges from 0 bar ... 6 bar up to 0 bar ... 600 bar
- Various output signals and electrical connections available
- Common process connections available
- High overpressure safety. Pressure peak protection available upon request for selected process connections.
- Circularly welded, hermetically sealed stainless steel membrane
- Stainless steel housing with enclosure rating up to IP 67 (with round connector M12 x 1)

Your benefits

- The large number of available variants permits adaptation to individual requirements
- Compact dimensions take up less space
- Quick and easy installation saves time
- Manufacturing capabilities that are aligned to OEM demands ensure an excellent price-performance ratio for application-specific solutions
- Wetted parts are made from stainless steel for universal use even with a large variety of corrosive fluids

Fields of application

- Universal pressure measurement in industrial applications
- Hydraulics
- Pneumatics
- Pumps and compressors

Type code

Other models and accessories ➜ www.sick.com/PET

Type code

Not all variants of the type code can be combined! Not all available variants are shown.

Measuring range

	Gauge pressure measuring range
6X0	0 bar ... 6 bar
010	0 bar ... 10 bar
016	0 bar ... 16 bar
025	0 bar ... 25 bar
040	0 bar ... 40 bar
060	0 bar ... 60 bar
100	0 bar ... 100 bar
160	0 bar ... 160 bar
250	0 bar ... 250 bar
400	0 bar ... 400 bar

	± measuring range
6X0	–1 bar ... +5 bar
010	–1 bar ... +9 bar
016	–1 bar ... +15 bar
025	–1 bar ... +24 bar
040	–1 bar ... +39 bar
060	–1 bar ... +59 bar

	Gauge pressure measuring range
600	0 bar ... 600 bar

	± measuring range

	Gauge pressure measuring range
100	0 psi ... 100 psi
160	0 psi ... 160 psi
200	0 psi ... 200 psi
250	0 psi ... 250 psi
300	0 psi ... 300 psi
400	0 psi ... 400 psi
500	0 psi ... 500 psi
600	0 psi ... 600 psi
750	0 psi ... 750 psi
800	0 psi ... 800 psi
1K0	0 psi ... 1,000 psi
1K5	0 psi ... 1,500 psi
2K0	0 psi ... 2,000 psi
3K0	0 psi ... 3,000 psi
4K0	0 psi ... 4,000 psi
5K0	0 psi ... 5,000 psi
6K0	0 psi ... 6,000 psi
7K5	0 psi ... 7,500 psi
8K0	0 psi ... 8,000 psi

	± measuring range
115	–14.5 ... +100 psi
175	–14.5 ... +160 psi
215	–14.5 ... +200 psi
315	–14.5 ... +300 psi

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

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