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Техническое описание датчика давления PRESSURIX C FAFNIR

FAFNIR Sensors and Systems

Reliable, Universal Solutions for Your Level, Pressure and Temperature Measurement Requirements

FAFNIR prides itself on providing the highest-quality measurement solutions to all its customers, regardless of application complexity and size. After trading for approximately 45 years, driving industry innovation, and listening to our customers and their requirements, we are pleased to present FAFNIR's German-made, high-precision level, pressure and temperature measurement devices for the petroleum, pharmaceutical, chemical and food industries to you, our customers.

Why Buy FAFNIR Sensors and Systems?



Reliability, Accuracy and Ease of Installation as Standard

- + All our sensors are calibrated and stringently tested before they reach you, ensuring you receive only the best
- + With FAFNIR's "plug-and-play" sensors, installation is quick and easy
- + With pre-calibration, once installed, no adaptation to the liquid is required
- + Our sensor lifespan and failure rate is second to none. FAFNIR's field-proven sensors are installed globally



With 45 Years' Engineering and Manufacturing Experience, Customer Service is Key

- + Regardless of order complexity or size, we will find a solution for your business
- + We have listened to the market and we know you need the full solution from one supplier
- + We have extended our product portfolio to include pressure and temperature measurement so FAFNIR is at the forefront of your measurement needs
- + The FAFNIR team are experts. We design, manufacture and calibrate all of our products to the highest quality

The logo for FAFNIR, featuring the company name in a bold, sans-serif font with a trademark symbol, positioned below three horizontal lines. The logo is contained within a white circular graphic.

FAFNIR™

Difficult Installation Conditions Are No Challenge for FAFNIR.

- + Designed to meet every requirement, our sensors fit the smallest to the largest openings
- + Our extensive range of sensors means we will have a solution for you, even when other suppliers don't

Extreme Process Conditions?

- + Our sensors are proven in temperatures of up to 450 °C or with up to 200 bar of pressure
- + With a response time of less than 0.2 s and information regarding the filling levels with an accuracy of ± 0.3 mm, you have constant visibility of your liquid stock
- + Reliability assured in corrosive, toxic and viscous substances



Pressure Measurement

Measuring pressure is one of the most common measurement applications in process technology. However, rarely is one process exactly like another and therefore customized solutions are often superior to off-the-shelf products when it comes to accuracy and safety. These solutions are generally less cost-effective or time-efficient. FAFNIR has designed customer-specific solutions with highly standardized components and processes with exceptional flexibility to ensure each process and OEM application pressure measurement needs are met.

FAFNIR understands that pressure transmitters in Process industries face numerous challenges. Whether an application requires explosion safety, SIL-compliance, or be read-on-site; FAFNIR's portfolio addresses these requirements.

PRESSURIX C

The Most Economic Digital Pressure Measurement Solution

The PRESSURIX C is the digital cost-efficient alternative to the PRESSURIX S pressure measurement transmitter for full pressure measurement of gases, vapours and liquids.

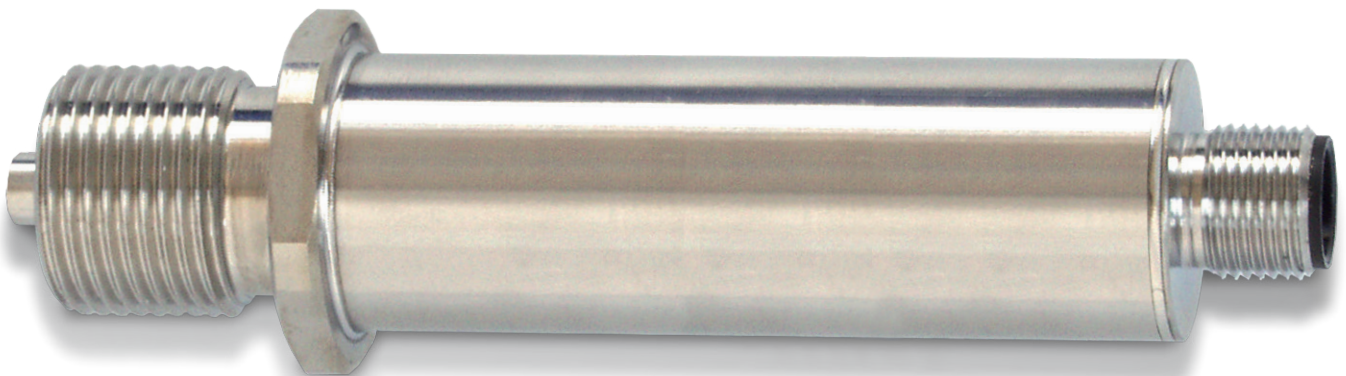
Why Choose PRESSURIX C?

Main Features and Benefits

- + Measuring ranges 0 to 1 bar up to 0 to 600 bar
- + Accuracy $\leq 0.3\%$
- + Output signal 4 to 20 mA, 2-wire technology
- + Process temperature -20 °C to $+120\text{ °C}$

Tried and Tested

- + OEM application



PRESSURIX C – Technical Data

Probe head

Protection class	IP65
Material	Stainless steel 304
Cable terminal	M12 connector
Ambient temperature	-20 °C to +85 °C

Probe tube

Material	Stainless steel 304/630
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Accuracy

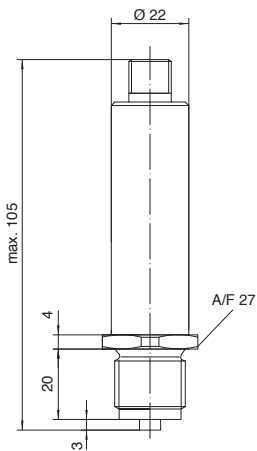
Linearity	<0.3 % of nominal range
Long-term drift	0.1 %/year of nominal range
Temperature effect	±0.2 %/10 K of nominal range (0 °C to +50 °C) ±0.3 %/10 K of nominal range (-20 °C to 0 °C; +50 °C to +80 °C)
Response time	30 ms
Adjusting range	±5 % f.s. zero point and span independently

Electrical connection

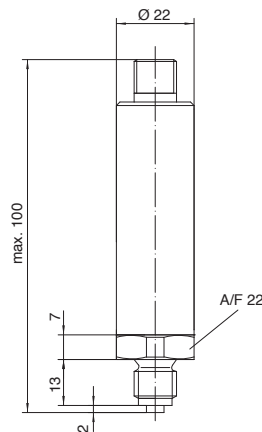
Connection	2-wire
Voltage	8 to 30 V _{DC} , Ex version 10 to 30 V _{DC}
Signal	Power output: 4 to 20mA

Process conditions

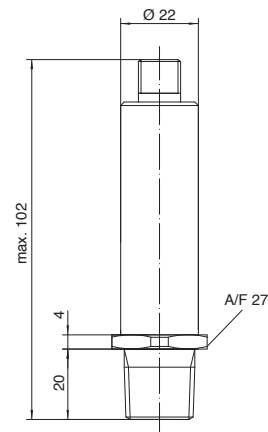
Temperature	-20 °C to +120 °C
Pressure	0 to 1 to 0 to 600 bar relative -1 to 0 to -1 to 15 relative



PRESSURIX C with G 1/4" process connection



PRESSURIX C with G 1/2" process connection



PRESSURIX C with 1/2" NPT process connection

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