

Pressure Sensor

FFXP027

Part Number

InoxSens UniBar

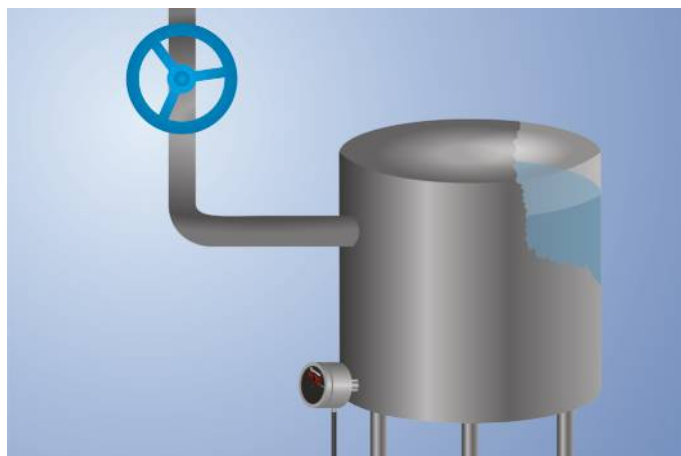


- FDA compliant
- Hygienic design makes it easy to clean
- Piggable with flush mounting
- Robust stainless steel housing with IP69K
- Space-saving process connection thanks to small pressure membrane

UniBar pressure sensors measure the relative pressure in closed systems of any medium in the range -1...600 bar.

UniBar pressure sensors are very easy to use thanks to the removable cover on the integrated display. The highly visible switching status display enables the rapid localization of affected sensors for maintenance processes.

Thanks to the metallic sealing edge on the process connection, no further seals are required.



Technical Data

Sensor-specific data	
Measuring Range	0...40 bar
Measurement Type	relative
Maximum overload pressure	80 bar
Bursting pressure	160 bar
Setting Range	4...100 %
Medium	Liquids, gases
Switching Hysteresis	2 %
Measuring error	< ± 0,5 %
Temperature Drift	0,025 %/K
Environmental conditions	
Temperature of medium	-25...60 °C
Ambient temperature	-25...80 °C
EMC	DIN EN 61326-2-3
Shock resistance per DIN IEC 68-2-27	30 g / 11 ms
Vibration resistance per DIN IEC 60068-2-6	20 g (10...2000 Hz)
Electrical Data	
Supply Voltage	16...32 V DC
Current Consumption (U _b = 24 V)	< 60 mA
Number of Switching Outputs	1
Response Time	1,2 s
Relay Output/Switching Current (24 VDC)	< 1 A
Analog Output	4...20 mA
Signal source	Pressure
Resolution	10 bit
Current Output Load Resistance	< 500 Ohm
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Setting Method	Menu
Housing Material	1.4404; PC; EPDM
Material Control Panel	Polyester
Material in contact with media	1.4435; 1.4404
Degree of Protection	IP67/IP69K *
Connection	M12 × 1; 5-pin
Process Connection	G 1/2" CIP-capable
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	769,77 a
Analog Output	●
PNP NO	●
Connection Diagram No.	1002
Control Panel No.	A13
Suitable Connection Equipment No.	35
Suitable Mounting Technology No.	905 906

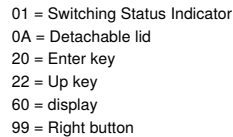
* Certified by wenglor



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A13



Legend