

Pressure Sensor

FFAP108

Part Number

UniBar



- **Highly visible output indicator**
- **Piggable with flush mounting**
- **Simple operation via the display**
- **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 integrated display. The highly visible switching status display enables the rapid localization of affected sensors for maintenance processes.



Technical Data

Sensor-specific data	
Measuring Range	0...160 bar
Measurement Type	relative
Maximum overload pressure	320 bar
Bursting pressure	640 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	30 ms
Switching Output/Switching Current	< 250 mA
Switching Output Voltage Drop	< 2 V
Analog Output	0...10 V
Signal source	Pressure
Resolution	10 bit
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Setting Method	Menu
Housing Material	PBT; PC; FKM
Material Control Panel	Polyester
Material in contact with media	1.4435; 1.4404
Degree of Protection	IP67 *
Connection	M12 × 1; 4-pin
Process Connection	G 1/2" CIP-capable
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	1201,51 a
Analog Output	●
PNP NO	●
Connection Diagram No.	534
Control Panel No.	A05
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	906

* Certified by wenglor

