

Pressure sensors

Durable, precise and optimally configured pressure sensors for your applications.



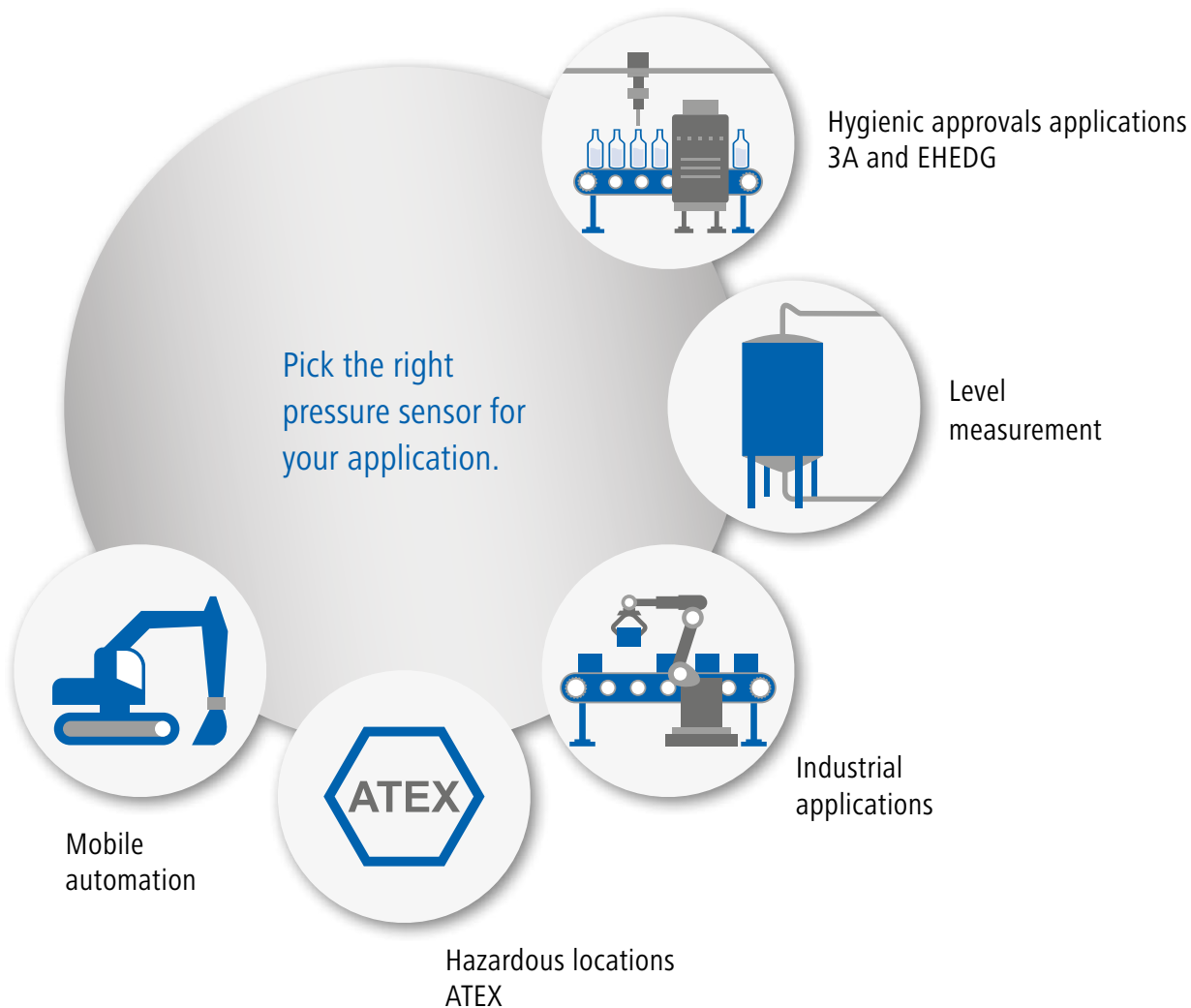
Your benefits at a glance.

Innovative and proven products, expertise in customization, top precision, and engaging consultancy – Baumer responds to your individual requirements. The broad portfolio of pressure sensors from Baumer stands for accurate and reliable pressure measurement, designed for your application.



Your perfect fit.

Baumer pressure sensors enable customized solutions for almost any task in pressure measurement – absolutely precise and reliable. Baumer has the right pressure sensor for a wide range of applications and individual requirements, such as harsh industrial applications, hygienic approvals, hazardous locations or mobile automation.



Precision and Reliability – expect more than just ‘standard’

Baumer pressure sensors provide high accuracy measurements, even in the event of fast changes in temperature, thus facilitating reliable process control. The excellent repeatability of Baumer pressure sensors has been demonstrated over extended periods of time, allowing you to feel confident in their long term performance. Baumer takes great pride in our outstanding capabilities to customize sensors to individual application requirements.

Our variety of pressure sensor solutions means the best fit for your application.

Pressure sensors with display

- Easy process implementation and operation
- Touch display with multicolor traffic light status colors
- Many standard connections available
- Pressure measuring ranges $-1 \dots 0$ bar up to $0 \dots 400$ bar



Hygienic pressure sensors

- Fast and high-precision pressure measurement
- Safety by certified hygienic design, 3-A, FDA-compliant, EHEDG-certified
- Many standard hygienic connections available
- Pressure measuring ranges $-1 \dots 0$ bar up to $0 \dots 400$ bar



 IO-Link

Industrial pressure sensors

- For applications in gases, fluids
- Robust and durable even under extreme conditions
- Many standard industrial connections available
- Pressure measuring ranges $-1 \dots 0$ bar up to $0 \dots 1600$ bar



Baumer portfolio of pressure sensors is as versatile as your applications. Find the right sensor for every requirement, whether in industry, food / beverage or mobile automation. Baumer offers the right technology for pressure measurement of gases and liquids; and level measurement of any liquid. Certification according to the relevant regulations such as 3-A or EHEDG for hygienic applications, or ATEX for explosive areas, ensures maximum safety and reliability.

Hydraulic pressure sensors

- Robust stainless steel housing in a compact design
- E1 approval for mobile hydraulics
- Industrial and mobile automation connections available
- Pressure measuring ranges 0 ... 10 bar up to 0 ... 1000 bar



Hydrostatic pressure sensors

- Fill level detection in tanks
- Outstanding accuracy and long-term stability
- Temperature range -40 ... 200 °C
- Lowest measuring range 0.5 m (50 mbar)



Pressure sensors for explosive areas

- For environments with flammable gas or dust
- ATEX certified
- Highest temperature stability
- Pressure measuring ranges -1 ... 0 bar up to 0 ... 1600 bar



Compliance and approvals

Baumer products meet international industrial standards. Where appropriate or selected by options, they are FDA compliant, fulfil the requirements of the respective 3-A Sanitary Standards or comply with EU regulations 1935/2004, 10/2011 and 2023/2006. In addition certain products are EHEDG certified. For hazardous environments you have a choice of ATEX approved products. Please refer to the related data sheets for details.



Portfolio overview pressure sensors.

Selecting the sensor that best fits your application

		Type	Measuring range (bar)	1 switching output	2 switching outputs	Relay output	Analog output	IO-Link interface	CANopen®
Hygienic	With display	CombiPress PFMH	0 ... 0.345 up to -1 ... 68			■	■		
		CombiPress PFMN	-1 ... 0 up to 0 ... 400			■	■		
		TED hygienic	-1 ... 0 up to 0 ... 40		■		■		
	Without Display	PBMN flush	-1 ... 0 up to 0 ... 400				■		
		PBMH	-1 ... 0 up to 0 ... 40				■		
		PP20H	0 ... 0.4 up to -1 ... 40				■	■	
Industrial	With display	CombiPress PFMN	-1 ... 0 up to 0 ... 400			■	■		
		TED	-1 ... 0 up to 0 ... 400		■		■		
	Without Display	PBMN low pressure	-1 ... 0 up to 0 ... 40				■		
		PBMN high pressure	0 ... 60 up to 0 ... 1600				■		
		PBSN	-1 ... 0 up to 0 ... 600				■		
		CTL / CTX	-1 ... 0 up to 0 ... 200				■		
		CPX	-1 ... 0 up to 0 ... 600		■	■			
Hydraulic (Mobile automation)	Without Display	PBM4	0 ... 10 up to 0 ... 1000				■	■	
Hydrostatic level measurement	With display	CombiPress PFMH	0 ... 0.345 up to -1 ... 68			■	■		
		CombiPress PFMN	-1 ... 0 up to 0 ... 400			■	■		
	Without Display	PBMN flush	-1 ... 0 up to 0 ... 400				■		
		PBMH	-1 ... 0 up to 0 ... 40				■		
		PP20H	0 ... 0.4 up to -1 ... 40				■	■	
ATEX	With display	CombiPress PFMH	0 ... 0.345 up to -1 ... 68			■	■		
		CombiPress PFMN	-1 ... 0 up to 0 ... 400			■	■		
		YTED	-1 ... 0 up to 0 ... 400		■		■		
		YTED hygienic	-1 ... 0 up to 0 ... 40		■		■		
	Without Display	PBMN flush	-1 ... 0 up to 0 ... 400				■		
		PBMH	-1 ... 0 up to 0 ... 40				■		
		PBMN low pressure	-1 ... 0 up to 0 ... 40				■		
		PBMN high pressure	0 ... 60 up to 0 ... 1600				■		
		Y91	-1 ... 0 up to 0 ... 600				■		

Accessories and services

- Quickly find matching accessories with the Baumer Connection Identifier (BCID); a convenient and easy system for identifying the right process adapter in order to integrate your Baumer sensor into the respective application
- Use the BCID to simplify installation and shorten commissioning time
- Take advantage of services from Baumer



More information about pressure sensors can be found at: www.baumer.com/pressure

Find your local partner at: www.baumer.com/worldwide

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