

# Pressure transmitter ZT-series

**Reliable and precise pressure measurement for safety and process control application.**

## Individual and versatile

- ☑ Pressure range -1...4,000 bar
- ☑ Versatile application options due to flexible connection designs
- ☑ Suitable for any media compatible to stainless steel
- ☑ Low total error due to electronic calibration
- ☑ Long-term tightness and -stability by hermetically welded measuring cell without internal seals



## Technical Data

### Characteristics

Type of measurement	Relative and absolute pressure
Design	Stainless steel
Excess pressure	1.5* up to 400 bar, above that 1,2*
Burst pressure	3* up to 600 bar, above that 1,5*

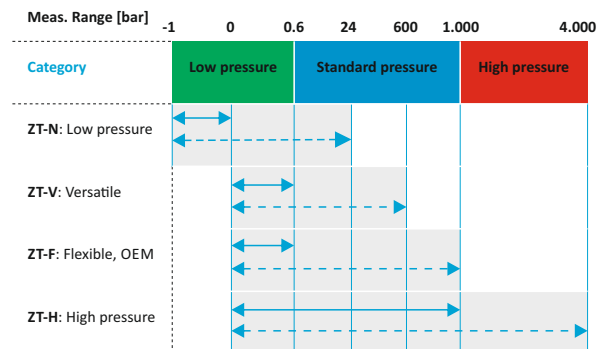
### Measuring element and parameters

Response time	< 1ms
Total error	≤ 0,5 % FS
Nonlinearity	≤ 0,2 % FS
Nonrepeatability	≤ 0,10 % FS
Hysteresis	≤ 0,15 % FS

### Operating conditions

Media temperature	-40...+125 °C 0...+80 °C (compensated range)
Ambient temperature	-40...+105 °C
Storage temperature	-40°C...+125°C
Shock resistance	g 1000 according to IEC 60068-2-32
Vibration resistance	g 20 according to IEC 60068-2-6

## Pressure Ranges



## Applications

- ☑ Hydraulic
- ☑ Environmental engineering
- ☑ Process control
- ☑ air conditioning
- ☑ Agricultural machinery
- ☑ Automotive
- ☑ Heating systems
- ☑ Industrial robots
- ☑ Pneumatic

## Certifications

The device complies with the following standards:

- ☑ EN 50082-1
- ☑ EN 50082-2

Technical modifications reserved

**Sales and consulting:**  
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## Construction and connectivities

Category		ZT-V	ZT-N	ZT-F	ZT-H
Measuring range [bar]		0...0.6 und 0...600	-1...0 und -1...24	0...0.6 und 0...1,000	0...1,000 und 0...4,000
Output Signal	0...10 V, 3-wire	•	•	•	•
	0...5 V, 3-wire		•	•	•
	0,5...4,5, ratiometric	•	•	•	•
	4...20 mA, 2-wire	•	•	•	•
	0...20 mA, 3-wire		•	•	•
Electrical connection (others up on request)	DIN EN 175301-803 A	•	•	•	•
	DIN EN 175301-803 C	•	•	•	•
	Binder M12x1 (Series 713)	•	•	•	•
	Packard Metripack		•	•	•
	Cable (length up on request)		•	•	•
Process connection (others up on request)	G 1/2" adapter		•	•	
	G 1/4" DIN3852-2 (Male Form A)		•	•	
	G 1/4" ISO 1179-2 (Male Form E)	•	•	•	
	1/4" NPT	•	•	•	
	1/8" NPT Male		•	•	
	M10x1 ISO 9974-2 (Male Form E)		•	•	
	M14x1,5 ISO 9974-2 (Male Form E)		•	•	
	M16x1.5 Fem. + double seal cone				•
	M18x1.5 Male + double seal cone				•
	7/16" 20 UNF (Male)	•	•	•	
	9/16" 18 UNF (Male)		•	•	

## Order

### Scope of delivery

Pressure transmitter ZT-series

### Options for your order

Desired pressure range as indicated
Output signal as indicated
Electrical connection, others up on request
Process connection, others up on request
Other temperature ranges up on request

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