Differential pressure transmitter — Type 692

Technical data

The Differential pressure transmitter of type series 692 with proved, unique ceramic technology, features calibrated and amplified sensor signals which are available as standardized voltage or current outputs.

Various application-specific pres-sure and electrical connections and housing materials suitable for different media can be provided.

The distinct advantages

- **Very low temperature sensitivity**
- **High resistance to extreme temperatures**
- **No mechanical aging**
- **No mechanical creepage**
- **Modular system and choice of materials to suit individual applications**

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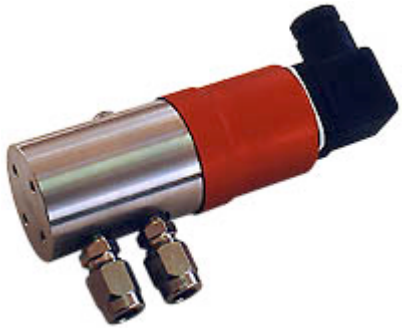
0 up to 25 bar

Pressure range gradation and executions see order code selection table



Description

Technical data

System pressure	(P1 and P2 simultaneously)
	25 bar to pressure range 6 bar
	50 bar on pressure range 10 / 16 / 25 bar
Rupture pressure	1.5 x system pressure
Accuracy	Total of linearity, hysteresis and repeatability

	< +/- 0.5 % fs at 2x nominal pressure
	< +/- 0.8 % fs at 3x nominal pressure
	< +/- 1.3 % fs at 5x nominal pressure
	< +/- 1.8 % fs at 7.5x nominal pressure
	Zero point residual voltage
	< 50 mV at 2x nominal pressure
	< 75 mV at 3x nominal pressure
	< 125 mV at 5x nominal pressure
	Zero point residual current (0 - 20 mA)
	< 100 µA at 2x nominal pressure
	< 150 µA at 3x nominal pressure
	< 250 µA at 5x nominal pressure
Materials of housing in contact	Ceramic / Inox1.4305, PTFE
with the medium	Sealing material: optionally FPM, EPDM, NBR, MVQ
	according to order code selection table
Temperature influences	Medium and ambient temperature -15 °C to +80 °C.
	TC zero point see order code selection table
	TC sensitivity
	< +/- 0.015% fs/°C at 2x nominal pressure or
	< +/- 0.022% fs/°C at 3x nominal pressure or
	< +/- 0.037% fs/°C at 5x nominal pressure
Load cycle	< 50 Hz
Dynamic response	Suitable for static and dynamic measurements.
	Response time < 5 ms
Outputs and power supply	See order code selection table
Load	0 - 10 V < 10 kOhm
	0 - 20 mA < 300 Ohm
	4 - 20 mA < $\frac{\text{supply voltage - 11 V}}{}$ [Ohm]

	0.02 A
Current consumption	At maximum signal output:
	0 - 10 V < 5 mA
	0 - 20 V < 25 mA
	4 - 20 V < 25 mA
Calibration by customer	Adjustable versions (zero point/slope approx. +/- 10%),
	only with IP 65 versions.