

Pressure transmitter and electronic pressure switch programmable

Type 619

Technical
data

The μ P-regulated, programmable pressure transmitter type 619 has a robust industry design. Parameters can easily be programmed with three different configuration menus.

All systems are equipped with a diagnostic function. Pressure is measured by a high resistant ceramic element. Normed analogue- and / or open collector outputs are available depending on the version chosen.

The distinct advantages

- Robust industry design
- High over pressure
- 4-digit LED display
- Sensitive operation keys
- Ergonomic design
- Diagnostic function
- Front cover

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Relative pressure
-1 up to 600 bar

Pressure range gradation and
executions see order code
selection table



Description

Technical data

Overload	- 1 ... 250 bar 4x measuring range full scale (fs)
	- 1 ... 400 bar 3x measuring range full scale (fs)
	- 1 ... 600 bar 2x measuring range full scale (fs)
Rupture pressure	6 x measuring range full scale (fs), max. 1800 bar

Accuracy	Analogue output:
	Total of linearity, hysteresis and repeatability $\leq 0.6\%$ FS
	Zero point rest voltage < 200 mV
	Digital output
	Accuracy of switching point adjustments $\leq 0.6\%$ FS
Housing material	Case: Nickel-plated Zinc pressure die-casting
	Key protection: PC with lettering
	In contact with the media: Ceramic / Stainless Steel (1.4305)
	Sealing material: Viton
Temperature influences	Medium and ambient temperature
	- 20° C ... + 80° C
	TC zero point $< 0.1\%$ FS / °C
	TC sensitivity $< 0.03\%$ FS / °C
Power supply	17 ... 33 VDC
Outputs	0 - 10 V
	4 - 20 mA
	Open-collector switching output for max. 200 mA,
	programmable NPN or PNP, Contact NO or contact NC
	Short circuit proof, and protected against polarity reversal.
	Each connection against other with max. +/- supply voltage
Programming	All settings can made in unpressurized state or during the operation.
	Ex works with standard setting.
	The diagnostic function is active in all menus.
Menus:	«PROG» Configuration of different system functions, input of
	switching point, diagnostic function
	«USER» Input of switching point
	«READ» Reading of all configuration- and input parameters
Display:	Pressure unit in bar/ psi or MPa / psi. Reaction time eligible
	in steps 1% fs (slow), 0.5% fs (normal) or 10 ms (fast).
Analogue output:	Response time adjustable of 5 ... 500 ms,

	output characteristic line adjustable of 75 ... 125% fs	
Digital output:	Digital output: Measuring range	
	rising pressure	8 ... 100% fs
	falling pressure	5 ... 97% fs
	P or N-switching, open-closed-contact, rise-delay time eligible	
	Rise-delay time	0 - 50 s
	Response time	0 - 50 s
	Response time	5 ... 500 ms