

Ceramic pressure transmitters 130C



Features:

- -1 ÷ 600bar and 0 ÷ 50 bar pressure, output 4÷20mA, 0.5÷4.5V, 0÷5V, 0÷10V ;
- Pressure membrane ceramic (Al₂O₃), wetted parts 316L SS, option PVDF, housing: 304 SS;
- High resistance against chemical corrosion, semi-flush membrane available (type II);

Technical specifications:

Pressure medium	Gases or dilute liquids→type I, viscous fluids or fluids with grains→type II
Range	-1÷0.5; 0÷0.5/1/2/5/10/20/50/100/200/400/600bar→gauge pressure 0÷0.5/1/2/5/10/20bar→ absolute pressure
Overload pressure	200% fs (for 400/600bar it is 650/880bar)
Burst pressure	250% fs (for 400/600bar it is 650/880bar)
Output	4÷20mA (2 wire); 0.5÷4.5V; 0÷5V; 0÷10V
Accuracy	0.25% fs, 0.5% fs (standard)
ZERO offset	Max. ±1% fs for ZERO, max. ±0.5% fs for SPAN
Long – term stability	0.15% fs/year
Power supply	12÷36Vdc, 5±0.5Vdc for 0.5÷4.5V output
Isulation resistance	>500MΩ@100V
Load resistance	250÷1150Ω for 4÷20mA output, >5000Ω for voltage output
Temperature coefficient of ZERO	≤ ±0.4% fs/10°C
Temperature coefficient of SPAN	≤ ±0.4% fs/10°C
Protection	IP 65 (connector); IP 66 (direct cable);
Process connection	G1/4 male type I, G1/2 male type II
Electrical connection	DIN 43650 connector (standard), plug-in connecor, shield PVC cable
Operating temperature	-40÷135°C

Order code : 130C-□□□-□□□-□□□-□□□-□□□

Dimension (mm) and connection:

Range Type I and II	05	0 – 0.5 bar relative and absolute pressure (or from -1bar)	
	1	0 – 1 bar relative and absolute pressure (or from -1bar)	
	2	0 – 2 bar relative and absolute pressure (or from -1bar)	
	5	0 – 5 bar relative and absolute pressure (or from -1bar)	
	10	0 – 10 bar relative and absolute pressure (or from -1bar)	
	20	0 – 20 bar relative and absolute pressure (or from -1bar)	
	50	0 – 50 bar relative pressure (or from -1bar)	
	100	0 – 100 bar relative pressure	
	200	0 – 200 bar relative pressure	
Output	I	4 – 20 mA (2 wire)	
	II	0.5 – 4.5 V	
	III	0 – 5 V	
	IV	0 – 10 V	
Accuracy	025	0.25%	
	050	0.5% (standard)	
Process connection	G1/2	G1/2→tip II	
	G1/4	G1/4→tipI	
	XXX	Other request	
Electrical connection	0	DIN43650 connector (standard)	
	1	Plug-in connector	
	2	Shield PVC acble	
Materials	1	Stainless steel	
	2	PVDF	
	3	Plastic	

