



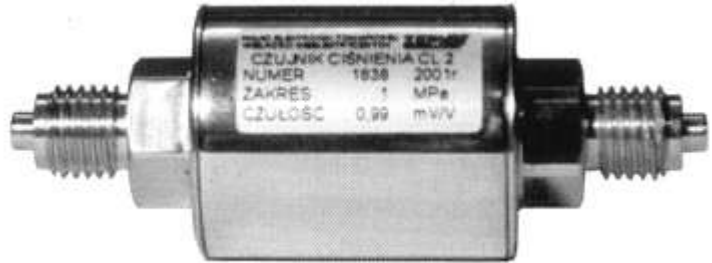
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Differential Pressure Transducer Model CL2

Description:

Mod. CL2 Differential Pressure Transducer features two flat metal diaphragms with a strain gauge full bridge circuit. The full bridge is resistance and temperature compensated in the range specified below. Mod. CL2 Pressure Transducer is available with two different sensitivities: 1 mV/V and 2 mV/V. Not to be used with aggressive liquids or gases.



Technical Specifications:

Range in bar:	1 bar; 2,4 bar; 6,4 bar; 10 bar; 24 bar; 64 bar; 100 bar; 240 bar; 640 bar
Configuration:	Strain gauge bridge R1 or R2
Output Signal:	1 mV/V or 2 mV/V
Accuracy Class:	0,2 or 0,5
Linearity:	0,1 – 0, 2 % (depending on range and sensitivity)
Hysteresis:	0,05 – 0,15 % (depending on range and sensitivity)
Overload Range:	50 % @ 2 mV/V output signal; 100 % @ 1 mV/V output signal
Strain Gauge Resistance:	350 Ω
Bridge Impedance:	350 Ω
Excitation Voltage:	10 V
Operating Temperature Range:	- 20 °C to 100 °C
Pressure Medium Temperature:	- 20 °C to 100 °C
Connector:	Lumberger connector (Z1) or O-ring-gland sealing (O1)
Cable Length:	0,5 m (Standard)
Protection Standard:	IP54 or IP68
Spring Element Material:	Steel
Dimensions:	∅ 30mm x 110 mm
Connecting Thread:	M20x1,5

Circuit Schematic:

