

Differential pressure sensor CL 2

- Processing of differential pressure
- High accuracy and reliability
- High stability and repeatability
- Wide temperature range
- Two year warranty and after market service



A sensor with two flat diaphragms and a strain gage full bridge. The bridge is balanced and thermal compensated. The sensor can be used in labors and industry to measure relative pressure, both static and slow-changing in aggressive chemical liquids or gases. Especially recommended by processing differential pressure into electrical signal in automatic hydraulic systems or industrial pneumatic mains.

The sensor CL 2 can be made in following configurations:

- R1 – strain gage bridge
- 2I4, 3U1, 3U5 – with processing unit in sensor's casing.

Specifications:

Range		[MPa]	0,10; 0,24; 0,64; 1,0; 2,4; 6,4; 10; 24; 64
Nonlinearity		%	≤ 0,5
Output signal:	R1	mV/V	10
	2I4	mA	4 ÷ 20
	3U1	V	1
	3U5	V	5
Nominal supply voltage:	R1		10
	2I4	[Vdc]	12 ÷ 36
	3U		12 or 24
Strain gage resistance		[Ω]	350
Operating temperature		[°C]	-20 ÷ 45
Protection degree			IP40, IP66
Material			steel, aluminium
Dimensions			Ø30x110
Cable length			3 m (standard) or other optional
Connector			Z1 - LUMBERG, O1 – O-ring gland

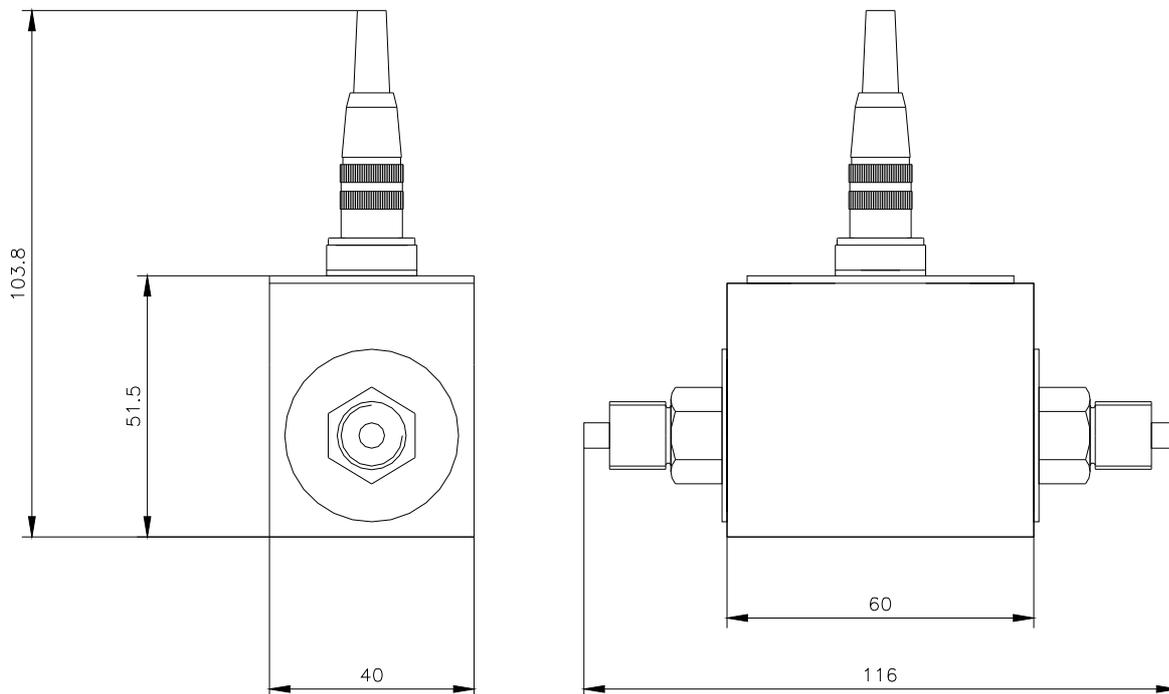
Manufacturer:

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Dimensions:



Quality assurance

Each sensor is detailed examined after manufacturing process.

The manufacturer offers 36 month warranty for the sensor and after that time also repair and calibration services.

Options:



Range: [MPa] 0,1; 0,24; 0,64; 1,0; 2,4; 6,4; 10; 24; 64

Nonlinearity: $\leq 0,5$

Configuration: R1; 2I4; 3I0; 3I4; 3U1, 3U5

Supply voltage: 10 V, 12 V, 24 V

Connector: Z1 - Lumberg DIN 45329, O1 – stuffing with stay wire

Cable length: 3 m (standard) or other optional [m]

Example of options for ordering:

CL 2 - 10 MPa - 0,5 - R1 - 10 - Z1 - 1: sensor with the range 10 MPa; nonlinearity $\leq 0,5\%$; strain gage resistance 350 Ω and sensitivity 1mV/V; supply voltage 10 V; connector Lumberg; cable length 1 m.

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