

Relative pressure sensor CL 1M

- High stability and repeatability
- High accuracy
- High reliability
- Wide range of operating temperatures
- Three year warranty and after market service



CL 1M is a relative pressure sensor with a flat metal diaphragm and a balanced and thermal compensated strain gage full bridge.

The sensor can be used in labors and industry to measure relative pressure, both static and slow-changing in non aggressive chemical liquids or gases. Especially recommended by processing pressure into electrical signal in hydraulic or industrial automatics systems.

The sensor CL 1 is made in the configuration R1 with a strain gage bridge

Specifications:

Range [MPa]	0,10; 0,24; 0,64; 1,00; 2,4; 6,4; 10; 24; 64
Accuracy	0,2; 0,55
Supply voltage [V]	10
Output signal [mV]	10
Configuration	R1
Strain gauge resistance [Ω]	350
Operating temperature [$^{\circ}\text{C}$]	5 ÷ 49
Temperature of medium [$^{\circ}\text{C}$]	5 ÷ 49
Connector	Z1 - LUMBERG, O1 – O-ring gland
Protection degree	IP40, IP68
Material	steel
Dimensions	as in table
Cable length	0,5 m (standard) or other optional

Designations and cable outlets		R1
1 brown	-W _y	
2 pink	0 U _{zk}	
3 white	0 U _z	
4 yellow	+U _z	
5 grey	+U _{zk}	
6 green	+W _y	
7 my	Ekran	

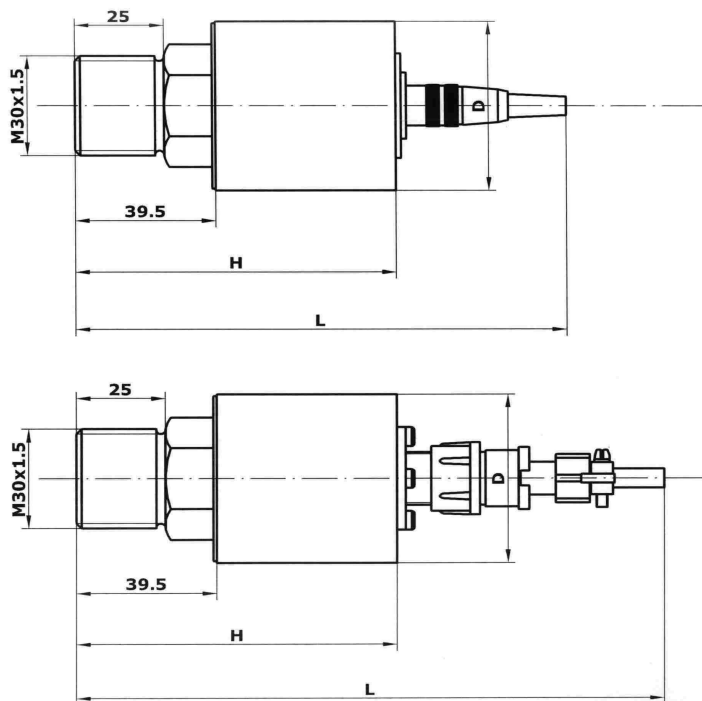
Manufacturer _____

Zakład Elektroniki Pomiarowej Wielkości Nielektrycznych, 05-270 Marki, ul. Kołłątaja 8
tel./fax: 004822. 7812169, 7712411, e-mail: zepwn@zepwn.com.pl, <http://www.zepwn.com.pl>

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Quality assurance

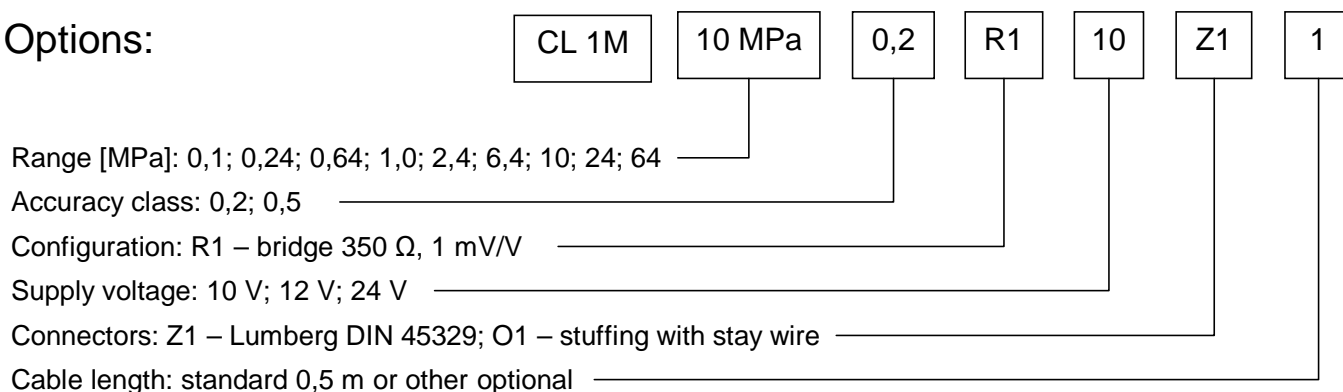
Each sensor is detailed examined after manufacturing process.
The producer offers 36 month warranty for the sensor and after that time also repair and calibration services.



Dimensions

Size	D	H	L
Configuration R1, R2 [mm]	51	90	138
Configuration 2I, 3U [mm]	51	90	165

Options:



Example of options for ordering

CL 1M – 10 MPa – 0,2 – R1 – 10- Z1 – 1: sensor with dimensions as in table, range 10 MPa; accuracy class 0,2; strain gage bridge 350 Ω, sensitivity 1 mV/V; connector Lumberg; cable length 1m.

Manufacturer

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