GENERAL CHARACTERISTICS

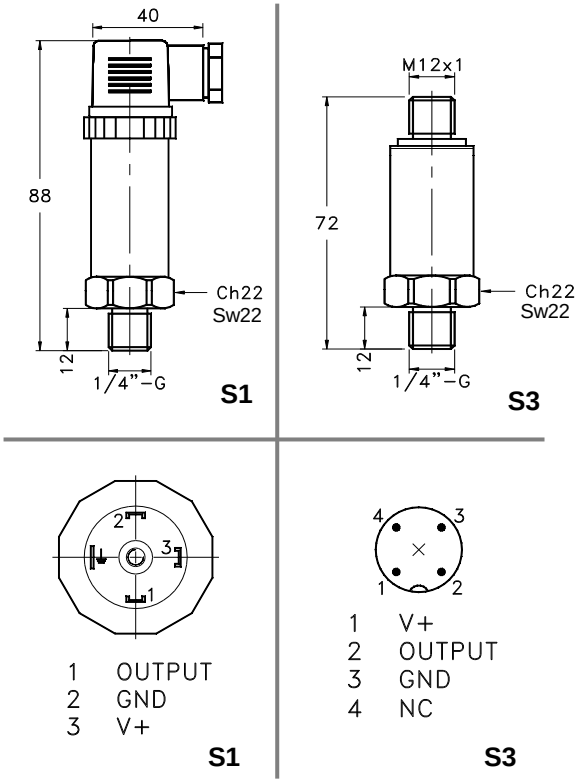
For applications where it is necessary to measure pressure, or hydrostatic level with a high grade of accuracy.
The power supply to the sensors is between 12 and 30 VDC, the provided output signal is 0-10 V.
The body is made of stainless steel 1.4301 and the sensing element, diaphragm, stainless steel 1.4542.
The maximum length of the connection cable for connections to remote data acquisition system is 30 m.

- 0-10 V output signal.
- Piezoresistive sensor, stainless steel diaphragm.
- Degree of protection IP65.

PRESSURE RANGES Tab.1

Measuring ranges	P max.	Breaking pressure	
Bar	Bar	Bar	**Code**
0 – 10	20	30	**0010**
0 – 100	200	300	**0100**
0 – 250	500	750	**0250**
0 – 600	1200	1800	**0600**

(•) Static pressure, dynamic pressure ≤ 30 ÷ 50 %



TECHNICAL DATA Tab.2

Description		
Measuring element	Piezoresistive sensor Stainless steel diaphragm.	**PM**
Power supply	12 ÷ 30 Vdc	**-**
Output signal	0 – 10 V	**010**
Accuracy	± 0,5 %	**-**
Working temperature	-40 ÷ +120 °C	
Degree of protection	IP65	
Electrical connection	DIN 43650-A plug	**S1**
	M12 x 14 - 4 poles plug	**S3**
	2m. Connection cable x **S3**	On request

PROCESS CONNECTION AND MATERIALS Tab.3

Process connection		
Dimension	1/4"	**08**
Thread	UNI 228/1	**G**

Materials		
Body	Stainless steel 1.4301	**U**
Connection	Stainless steel 1.4301	
Diaphragm	Stainless steel 1.4542	

NOMENCLATURE

TPS	0100	PM	08GU	010	S1		
•							Pressure transmitter
	•					Tab.1	Measuring range
		•				Tab.2	Measuring element
			•			Tab.3	Process connection dimension and material
				•		Tab.2	Output signal
					•	Tab.2	Electrical connection and output

K	**PU**	**02**	**S**	**G**	2m. length connection cable - M12x1 plug	Straight version	Accessory on request
K	**PU**	**02**	**S**	**G**	2m. length connection cable - M12x1 plug	90° version	Accessory on request