GENERAL CHARACTERISTICS

Pressure transmitter with piezoresistive measuring cell and diaphragm sensing element, suitable for use with fluids particularly dense and critical products.
The variation of the resistance value, determined by the pressure change, is electronically converted into a linear 4-20 mA signal proportional to the pressure itself.
The transmitter, using 4-20 mA two-wire technology, may be also used as a detector for circuit interruption.
The body where the connector is fixed can be rotated over 360 °.

- Two wire technology.
- Compact design.
- Diaphragm sensing element.
- 360 ° swivel connector.
- Degree of protection IP65 - IP67

EPS EPH

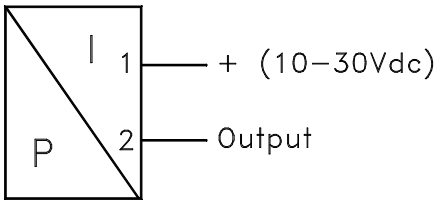
TECHNICAL DATA Tab.1

Description	Characteristics		Code	
Measuring range	Relative pressure		R	
	Absolute pressure - up to 25 bar		A	•
Sensing element	Diaphragm Stainless steel 1.4301		K	
Accuracy	1% over 60°C 0,02% / °C		-	
Repeatability	0,5%		-	
Power supply	10 – 30 Vdc ± 10%		-	
Output signal	4 – 20 mA		-	
Max. load	700 Ω a 24 V		-	
	100 Ω a 10V – 1 KΩ a 30V		-	
Max. temperature	80 °C		-	
Max. temperature	125 °C	With spacer	EPH	•
Electrical output	DIN 43650A plug	IP65	B	
	M12x1 – 4 poles plug	IP67	S	•
Process connection	½" Gas-M UNI 228/1	S.S. 1.4305	015	
Connector holder	Nickel plated brass		-	

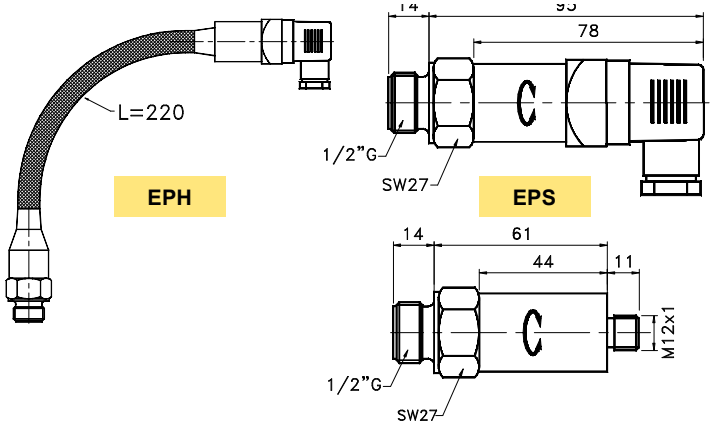
(•) On request

Measuring range bar	Pressure Maximum	Pressure Breaking	Code
0 - 1	4	250	001
0 - 2,5	10	250	002
0 - 6	24	250	006
0 - 10	40	250	010
0 - 25	100	250	025
0 - 60	240	1000	060
0 - 100	400	1000	100
0 - 250	600	1000	250
0 - 400	600	1000	400

WIRING



DIMENSIONS



NOMENCLATURE

EPS	100	R	K	015	B		
•						Tab.1	Name - Type
	•					Tab.1	Measuring range
		•				Tab.1	Relative or absolute pressure
			•			Tab.1	Sensing element material and process connection
				•		Tab.1	Process connection dimension and thread
					•	Tab.1	Electrical output