



GENERAL CHARACTERISTICS

Temperature transmitter with PT100 sensor and high response speed due to the mechanical dimensioning of the probe. The resistive value determined by the temperature variation is electronically converted into a linear 4-20 mA signal proportional to the temperature itself. The transmitter is a two-wire technology. The body where the connector is fixed can be rotated over 360°.

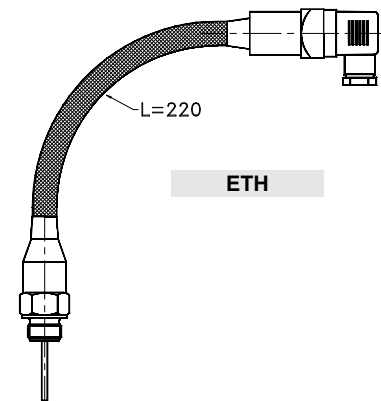
- 2-wires technology.
- Compact design.
- High sensitivity probe.
- Fast response time.
- 360° swivel connector.
- Degree of protection IP65.



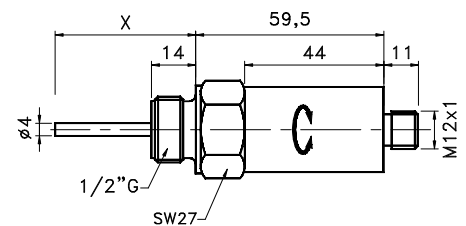
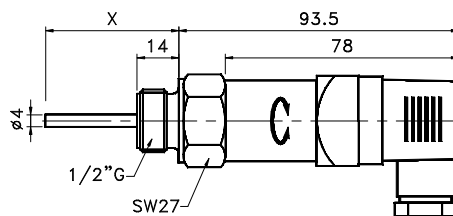
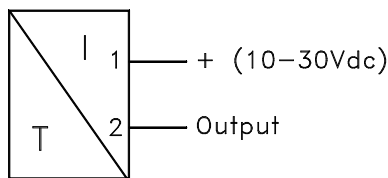
TECHNICAL DATA

Tab.1

Description	Characteristics				Code
Measuring range	0 – 100 °C				100
	0 – 250 °C With spacer				250 On request
	< 0 °C				< 0 On request
Sensing element	PT100				-
Accuracy	±1% FS				-
Response time	5 sec. 0 – 80 °C				-
Power supply	10 – 30 Vdc ± 10%				-
Current	< 4 mA				-
Output signal	4 – 20 mA				-
Maximum load	700 Ω a 24 V				-
	100 Ω a 10V – 1 KΩ a 30V				-
Max. pressure	25 Bar				-
Max. temperature	80 °C				-
Max. temperature	250°C With spacer				ETH On request
Electrical output	DIN 43650A plug		IP65		B
	M12x1– 4 poles connector		IP67		S On request
Connector body material	Nickel plated brass				-
Process connection	1/2 " Gas-M		UNI 228/1		015
Process connection and probe material	Stainless steel AISI-316				K
Probe length - mm.	050	100	150	200	◀



WIRING AND DIMENSIONS mm.



NOMENCLATURE

ETS	100	K	015	S	050
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				•	
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Name - Type
Tab.1 Measuring range
Tab.1 Process connection and probe material
Tab.1 Process connection dimension and thread
Tab.1 Electrical output
Tab.1 Probe length L mm