

Temperature transmitter TKCu - ...

for thermocouples Type K or resistance thermometer Pt100

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in a robust aluminum pressure case

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Constructional Features and Function :

The temperature transmitters are installed in a robust aluminum pressure case. This kind of manufacturing protect the transmitter against moisture, corrosion and EMW's. The setting of resistance from Pt100 resistors in relation to the temperature as well as the thermo electric current produced by thermocouples becomes converted and transferred via transmitter into a corresponding DC - Signal of 4 - 20 mA. They are manufactured in 2-wire version without exception.

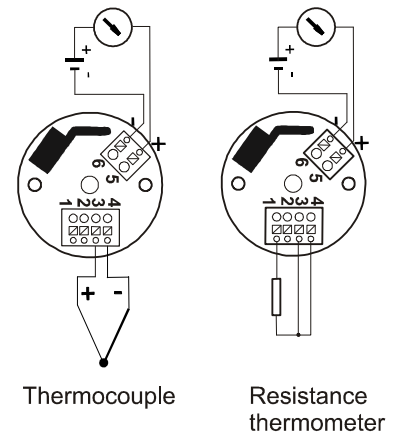
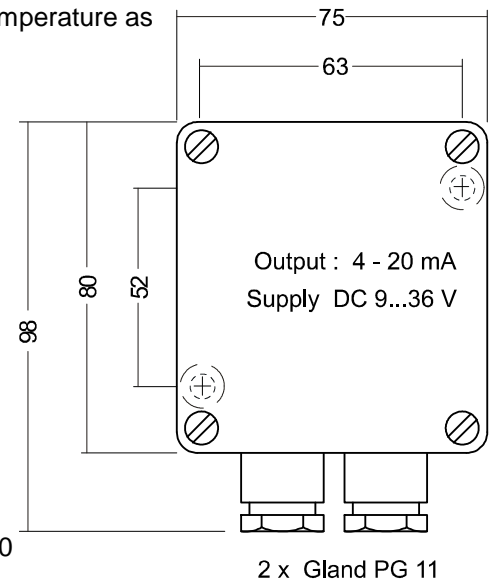
Important Features:

- Robust aluminum case
- Degree of protection IP 65
- 2- wire technology, DC-Signal..4 - 20 mA
- High measuring accuracy
- Galvanic separation
- Ambient temperature up to 85°C
- Reverse polarity and short circuit protected

Technical data

Measuring input	or	thermocouple K NiCr-Ni
		resistance thermometer Pt100
Analogue output		4...20 mA
		linear temperature
Load		< 900 Ohm
Measurement deviation		+/- 0,01% of final value
Temperature influence		+/- 0,01%
Power supply		DC 7...30 V
Protection		reverse polarity
Ambient temperature		- 40...+ 85 °C

Example of order : TKCu - P5
 Option : Marine screw M18
 Please specify separately !



Input Pt100	Measuring range	Input K NiCr - Ni	Measuring range
Type extra ...P2	- 50...+ 50 °C	Type extra ...K2	0...300 °C
...P3	0...50 °C	...K5	0...600 °C
...P4	0...100 °C	K7	0...800 °C
...P5	0...150 °C	...K9	0...1200 °C
...P6	0...200 °C		
On sensor break: >20 mA For short circuit: <4 mA External resistance RA 25 Ohm		On sensor break: >20 mA For short circuit: <4 mA Input resistance 10 MOhm	

Other inputs and measuring ranges possible.



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