

Temperature transmitter TKCua – 3/5A

GA-3/A and GA-5/A replacement

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in a robust aluminum pressure case

Constructional Features and Function :

The temperature transmitter is installed in a robust aluminum pressure case.

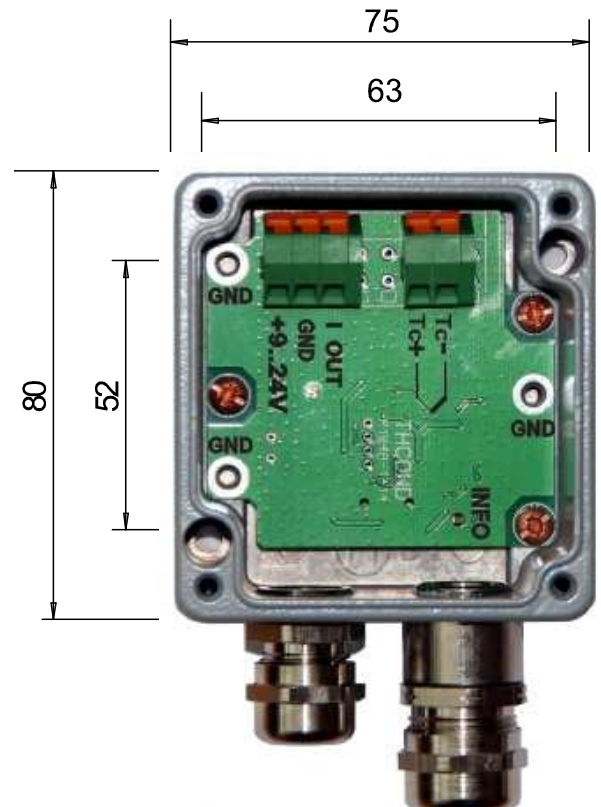
This kind of manufacturing protect the transmitter against moisture, corrosion and EMW's.

The temperature dependent voltage for thermocouples Type K is temperature-linearly converted into an output signal of 1 ... 5 mA.

The temperature compensation is done in the transmitter. An LED shows the operating status.

Important Features:

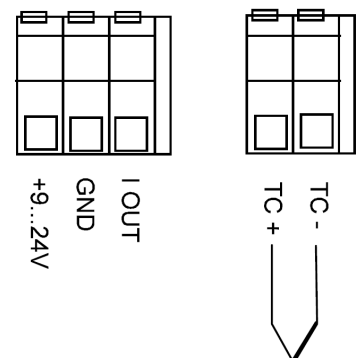
- Robust aluminum case
- Degree of protection IP 65
- High measuring accuracy
- Ambient temperature up to 70 °C
- Reverse polarity and short circuit protected
- Connection via spring-clamp terminals
- Cable entry PG11-ms / PG13,5-ms



Technical data:

Measuring input	thermocouple K NiCr-Ni 0-600°C
Analogue output	1...5 mA linear temperature max.1200 Ohm to GND
Load	
Measurement deviation	< +/- 0,5% of final value
Temperature influence	+/- 0,5%
Current consumption	11 mA + output current
Power supply	DC 9...24 V
Protection	reverse polarity
Ambient temperature	- 20...+ 70 °C
On sensor break	0,50 mA
Current output cable break	0,00 mA
Sensor >615°C	5,25 mA
Sensor <-15°C	0,75 mA

LED	(INFO)
0...600°C	½ Hz blink
Out of range	2 Hz blink
Error	statically on



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