Temperature transmitter MUDM - ...

For thermocouple elements, resistance thermometers, potentiometers, resistance and voltage

To mount into DIN connection heads form B with large connection Area

Constructional features and function:

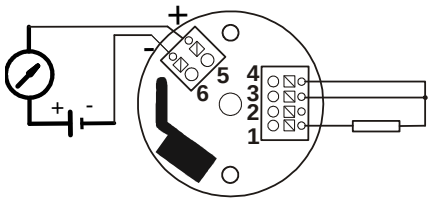
The MUDM is a universally programmable temperature transmitter for different resistance temperature detectors (RTDs) and thermocouple elements. It converts the temperature depended measurement categories into a high-precision current signal of 4..20mA. Lead wire resistance on the MUDM can be almost eliminated by 3- or 4-wire-connections. The transmitter can also converts resistance or voltage into a loop signal. The MUDM is galvanically isolated and works up to 1500V rated insulation voltage.

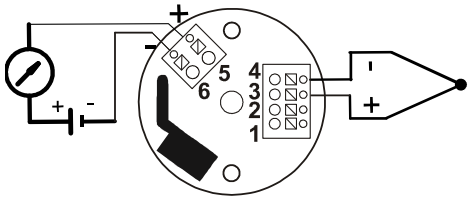
Important features:

- Rugged housing made of plastic
- Two-wire technology 4 - 20 mA
- High-precision measuring
- Galvanically isolated
- Ambient temperature range -40…85 °C
- Reverse polarity and short circuit protected
- 0,2…2,5 mm² spring terminals

Technical Data:

Input	RTD: Pt100/500/1000/Ni100 TC: J,K,R,S,T,B,E,N Potentiometer Resistance 0…1700 Ohm Voltage -150…+150 mV
Output	4...20 mA
Load resistor	< 900 Ohm
Limiting error	+/- 0,1%
Nonlinearity	< 0,1%
Supply voltage	DC 7...30 V
Protection against	Reverse polarity/Short circuit
Ambient temperature	- 40...+ 85 °C
Dimensions	43,3 x 20mm D x H
Example of order	MUDM - P5





Input Pt 100	Measuring range	Input K NiCr - Ni	Measuring range
Code ...P2	- 50...+ 50 °C	Code ...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		
At sensor break: > 20 mA At short circuit: < 4 mA External resistance: RA 25 Ohm		At sensor break: > 20 mA At short circuit: < 4 mA External resistance: RA 25 Ohm Cold junction compensation -40…+100°C	

Other connections and ranges on request