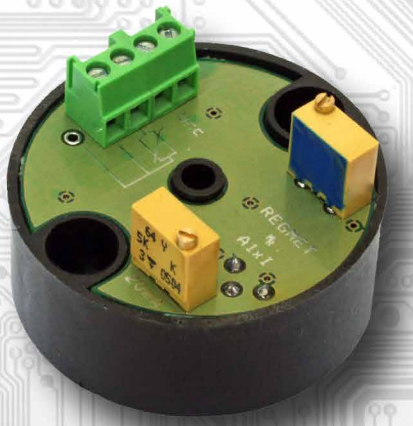
Transmitter temperature - current type HIP
for sensors Pt100 and Pt1000



- measuring ranges from -50°C to 600°C
- analog output 4 ÷ 20 mA
- compact implementation to the head B
- **HIP1** – transmitter for **Pt100**
- **HIP10** – transmitter for **Pt1000**

The transmitters are proposed for signal conversion from resistive temperature sensors Pt100 or Pt1000 to the standard current signal 4 ÷ 20mA. The output signal has got linear temperature dependence. The transmitters are supplied by 24VDC. The transmitters are not equipped with galvanic separation between input and output signals.
Transmitter is implementing to the plastic box suitable for encapsulating to the aluminium head type B.

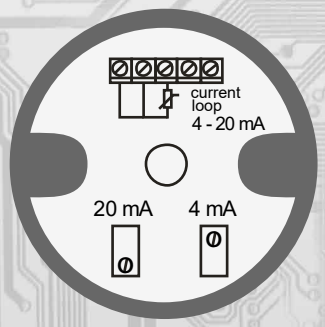
Main technical parameters

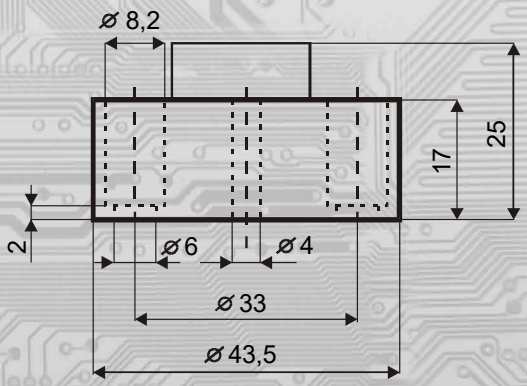
Power supply	10 ÷ 35 VDC
Output signal I_Z	4 ÷ 20 mA
Load resistance	Rz = (Ucc-10)x50 (Ω)
Ambient temperature	-40 ÷ 85 ºC
Relative humidity	< 80 %
Error of linearity	< ± 0,1% from range
Temperature drift	< ± 0,01 %/ºC
Influence over power supply	< ± 0,01 %/VDC
Correction range ZERO	± 15 %
Correction range SPAN	± 15 %
Sensing element break	Iz > 25 mA
Sensing element short	Iz < 3,5 mA
Wiring	2 or 3-wire connection

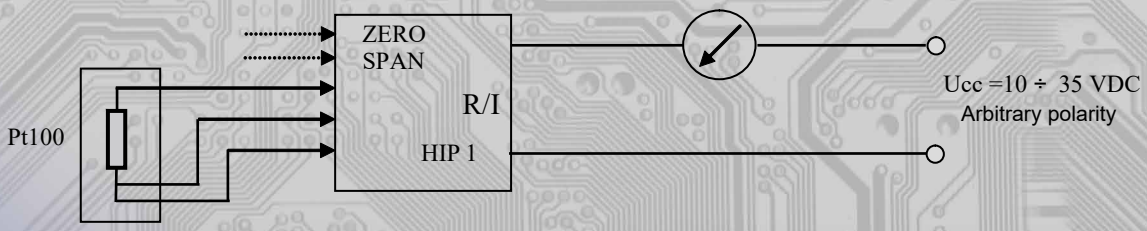
Input signal measuring range:

-50 .....0°C	0 .....300°C
-50 .....50°C	0 .....400°C
0 .....50°C	0 .....500°C
0 .....100°C	50 .....100°C
0 .....150°C	100 .....150°C
0 .....200°C	

Wiring diagram and dimensions







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