
**Description:**

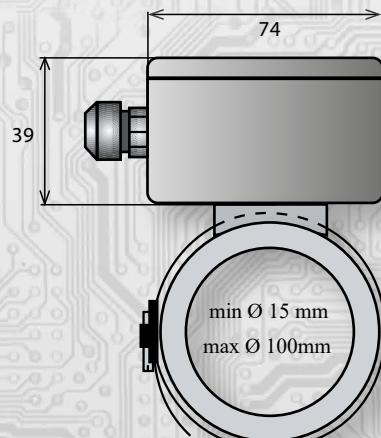
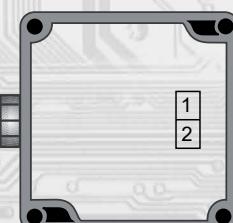
The surface contact sensor is used for temperature detection on piping and tubes (e.g. cold-water or hot-water), or on heating sections for heating system control. The head of sensor is made of polycarbonate, cover is provided with quick-locking screws, The converter temperature - current or temperature - voltage, which is positioned in the transducer head, is not provided with a galvanic separation.

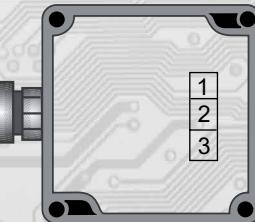
**Basic technical parameters**

Sensor	Pt1000
Measurement error	< 0,6 %
(P14I)	(P14U)
Output signal	4 ÷ 20 mA      0 ÷ 10 V
Power supply Ucc	11 ÷ 35 VDC      18 ÷ 30 VDC
Load resistance	Rz < (Ucc-11) × 50 [Ω]      Rz > 50 kΩ
Sensing element break	Iz > 24 mA      Uv > 12 V
Sensing element short	Iz < 3 mA      Uv ~ 0 V
Ambient temperature	-30 ÷ 80 °C
Relative humidity	< 80%
Material	material polycarbonat, blue colour (grey on request)
Protection type	IP 30
Terminal board	COB 5/2, wire cross section 0,35 ÷ 2,5 mm <sup>2</sup>

**Temperature ranges**

-30 ÷ 60°C
0 ÷ 35°C
0 ÷ 50°C
0 ÷ 100°C
0 ÷ 150°C

**Dimensions**

**Wiring diagram - P14I**

 1,2: current loop  
arbitrary polarity

**Wiring diagram - P14U**

 1: positive pole of the supply source  
 2: negative pole of the supply source  
 3: 0 to 10 V output