

### Description:

The resistance temperature sensors are designed for general-purpose application in control and regulation systems for the temperature measurement in the pipeline. The temperature element (Pt1000) is located in the stem. The head of sensor is made of polycarbonate, cover is provided with quick-locking screws, the stem is made of stainless steel (DIN 1.4601). The converter temperature - current or temperature - voltage, which is positioned in the transducer head, is not provided with a galvanic separation.

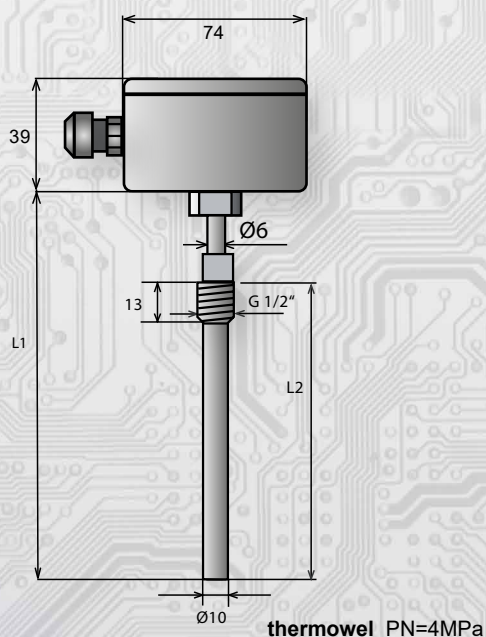
### Standard length L1 a L2

L1 (mm)	L2 (mm)
120	100
180	160
240	220
300	280
360	340
420	400

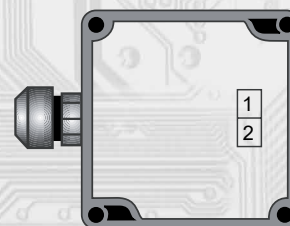
### Basic technical parameters

Sensing element	Pt1000	
Measurement error	< 0,6 %	
	(P13I)	(P13U)
Output signal	4 ÷ 20 mA	0 ÷ 10 V
Power supply U <sub>cc</sub>	11 ÷ 35 VDC	18 ÷ 30 VDC
Load resistance	R <sub>z</sub> < (U <sub>cc</sub> -11) x 50 [Ω]	R <sub>z</sub> > 50 kΩ
Sensing element break	I <sub>z</sub> > 24 mA	U <sub>v</sub> > 12 V
Sensing element short	I <sub>z</sub> < 3 mA	U <sub>v</sub> ~ 0 V
Ambient temperature	-30 ÷ 80 °C	
Relative humidity	< 80%	
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>	

### Dimensions and accessories



### Wiring diagram - P13I

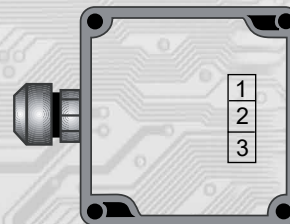


1,2: current loop arbitrary polarity

### Temperature ranges

-30 ÷ 60°C
0 ÷ 35°C
0 ÷ 50°C
0 ÷ 100°C
0 ÷ 150°C
0 ÷ 250°C

### Wiring diagram - P13U



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