

## PT31K (DIN), PT31M12

Čapkova 22  
678 01 Blansko  
tel.: +420 516 416942, 419995  
fax: +420 516 416963

### CONTACT THERMOMETER WITH CONNECTOR

- easy connecting
- optional dimensions
- weld or adjustable screwing

This RTD temperature probes are mainly used for measuring temperature in liquids and gasses. A Pt100 temperature sensing element according to DIN EN 60751, class b in 2-wire circuit is used as a measuring insert by default. Versions with Pt500 or Pt1000 are also possible. The connection is also available in 3-wire and 4-wire circuits as an option. Metal parts is made from stainless steel of 17248 grade.

**PT31K (DIN)** Design Ø 6-8mm (or other)  
Connector DIN43650  
Immersion length „Y“ and design we can adjust according to your order.

**Technical data:** Temperature sensor: Pt100/A or B, Pt1000, Ni1000, KTY, PTC etc.  
Twin temperature sensor is also possible.  
Measuring range: -25...+100°C (t = c. 7sec)  
Protection (IP code): IP65  
Screwing: G1/2, G3/4, M20x1,5, M27x2.....  
Dielectric strength: 500V, dielectric resistance min. 20MΩ



**PT31 M12** Design Ø 6-8mm (or other)  
Connector M12x1 without cable, EC-FS4-L/16  
Immersion length „Y“ and design we can adjust according to your order.

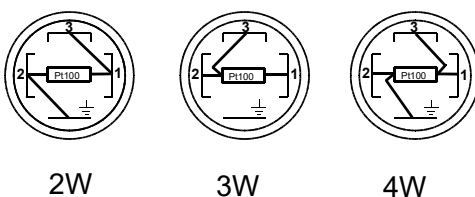
**Technical data:** Temperature sensor: Pt100/A or B, Pt1000, Ni1000, KTY, PTC etc.  
Twin temperature sensor is also possible.  
Measuring range: -30...+90°C (t=c. 5sec)  
Protection (IP code): IP67 (only with threaded connector)  
Screwing: G1/2, G3/4, M20x1,5, M27x2 ....  
Dielectric strength: 500V, dielectric resistance min. 20MΩ



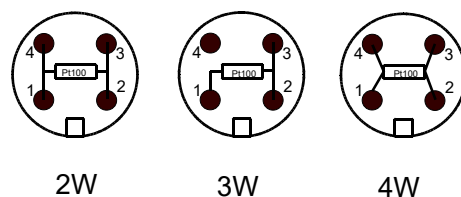
**Type tests:** Standard type test: to ČSN IEC 751  
EMC: to ČSN EN 61326-1  
Safety: assessed acc. to ČSN EN 61010-1

#### Connection:

##### PT31K (DIN):



##### PT31 M12:

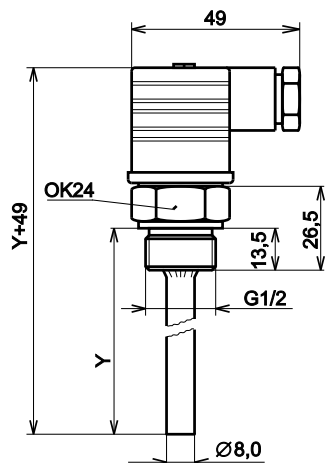


Twin temperature sensor: Sensor 1 – 1, 3  
Sensor 2 – 2, GND

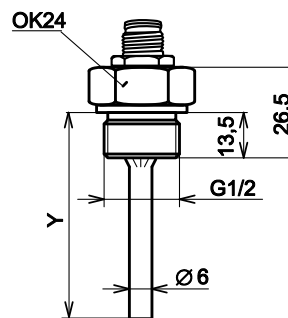
Sensor 1 – 1, 4  
Sensor 2 - 2, 3

**Dimensions:**

**PT31K (DIN):**



**PT31 M12:**



**Your order should include:**

- thermometer type
- accuracy of Pt100 A, B sensor, or other special requirements (double sensor, other sensor type, e.g., Pt100, Ni1000... (Pt100/B is mounted unless otherwise stated)
- stem length Y
- Screwing
- quantity (No. of pieces)

**Purchase order examples:**

PT31K (DIN) Pt100/A 8x100mm G1/2 4w	1ks
PT31K (DIN) Pt100/B 6x120mm M20x1,5 2w	1ks
PT31M12 Pt100/B 8x550mm G3/4	1ks
PT31M12 Pt100/A 6x80mm M27x2 3w	1ks

Any thermometer can be provided with a calibration protocol.