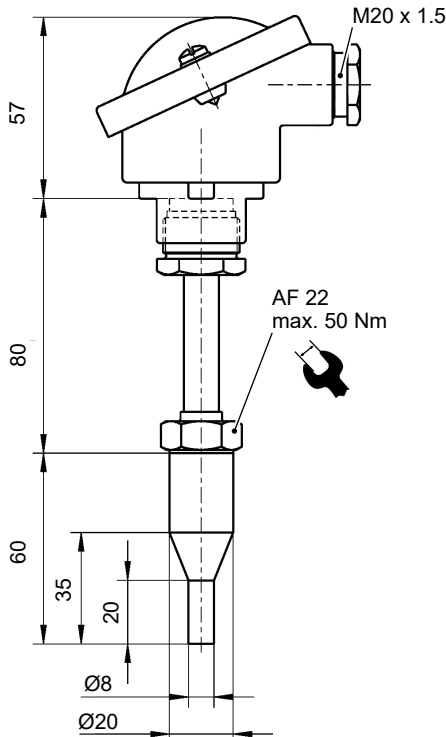


TW46 Weld-in resistance thermometer

Swift design; for pressures up to 25 bar and higher flow loads



- Measuring element:** Measuring insert in compliance with DIN 43762
Insertion tube stainless steel 1.4571
Measuring resistor 1x or 2x Pt100 DIN EN60751
- Protective sleeve:** As per dimensional drawing
Materials:
1.4571 (X6CrNiMoTi17122)
1.0460 (C22.8)
Mechanical strength at 400°C: 25 bar
- Neck pipe:** Ø 11 mm; 80 mm long
Stainless steel 1.4571
- Attachment:** G3/8 screw thread
- Connection head:** Standard: Type B in accordance with DIN 43729
- Max. measurement temperature:** 400°C
- Max. temperature in the connection head:** +80°C

Order codes

T W 4 6

0 0 0 0 0 0

Base type

- Meas. insert with 1x Pt100/2-wire... > **A**
Meas. insert with 1x Pt100/3-wire... > **B**
Meas. insert with 1x Pt100/4-wire... > **C**
Meas. insert with 2xPt100/2-wire... > **D**
Meas. insert with 2xPt100/3-wire... > **E**

Model

- Form B (standard) > **1**
Form BBK > **2**
Form S79 > **3**
Form BUSH > **4**
Form BUS > **5**

Protection sleeve material

- 1.4571 (X6CrNiMoTi17122) > **3**
1.0460 (C22.8) > **4**

Output

- Resistance output on the terminal > **K**
2-wire transmitter 4-20 mA/24 Vdc* > **L**
(*only possible with basic type 1xPt100/3-wire)

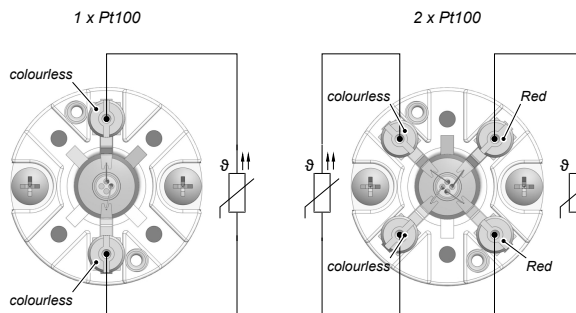
Measuring range of the 2-L transmitter

- without transmitter in the connector head..... > **0 0**
-50 ... 0 °C > **1 0**
-50 ... 50 °C > **2 0**
0 ... 50 °C > **3 0**
0 ... 100 °C > **4 0**
0 ... 150 °C > **5 0**
0 ... 200 °C > **6 0**
0 ... 300 °C > **7 0**
0 ... 400 °C > **8 0**

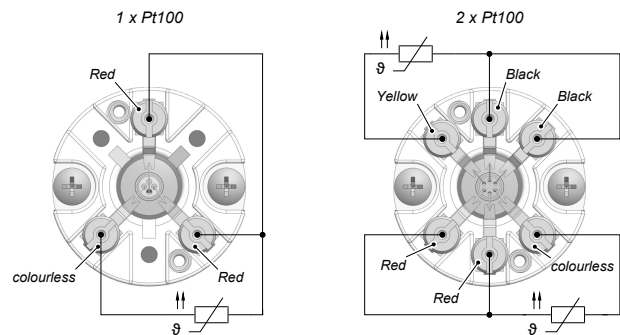


Pin assignment

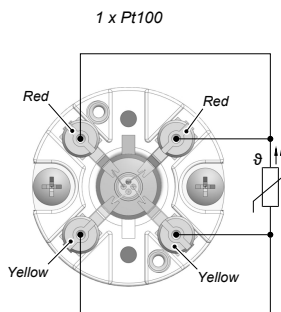
2-wire connection



3-wire connection

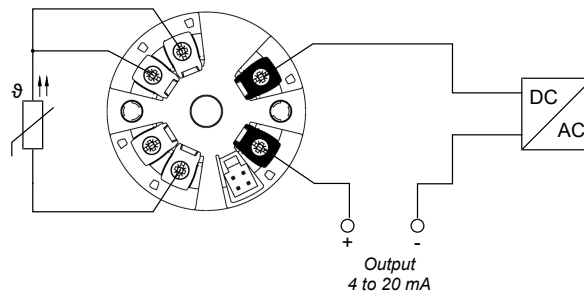


4-wire connection



Transmitter connection

1x Pt100 / 3-wire measuring insert + transmitter



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Technische Änderungen vorbehalten • Subject to technical changes • Sous réserve de modifications techniques

