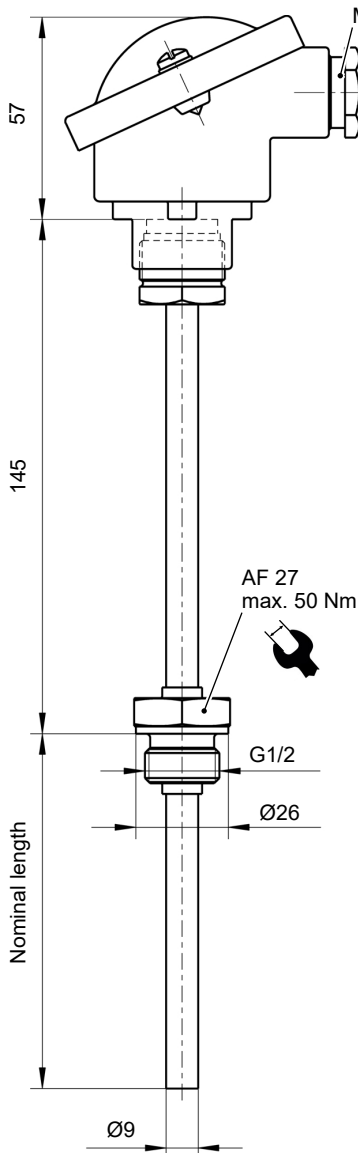


TW30 Screw-in resistance thermometer

Type B DIN 43765 (for moderate pressure and 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:** in accordance with DIN 43772, Form 2G
Ø 9 mm; 1 mm wall thickness
Stainless steel 1.4571
- Neck pipe:** Ø 9 mm; 1 mm wall thickness; 145 mm length
Stainless steel 1.4571
- Process connection:** G1/2 screw thread to DIN 3852-2
Stainless steel 1.4571
- 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 3 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

Nominal length

- 100 mm > 1
160 mm > 2
250 mm > 5
400 mm > 8
other lengths available on request > 9

Output

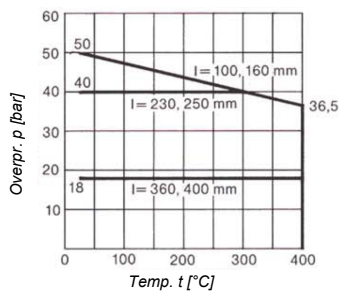
- Resistance output on the terminal > K
2-wire transmitter 4-20 mA/24 Vdc* > L
(*only possible with basic type 1xPt100/3-wire)

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

Mechanical and thermal load-bearing capacity of the protective tube

Form 2G, DIN 43772
Diagram 1



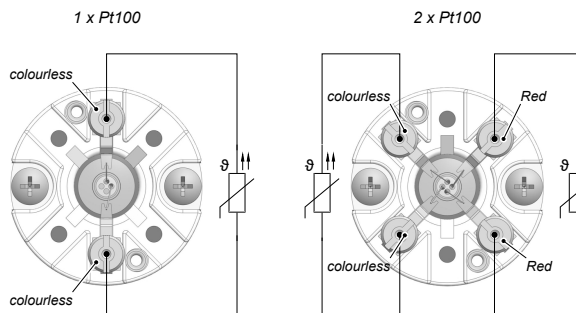
Material 1.4571
(X6CrNiMoTi17122)

Permissible flow velocity:
25 m/s for air
3 m/s for water

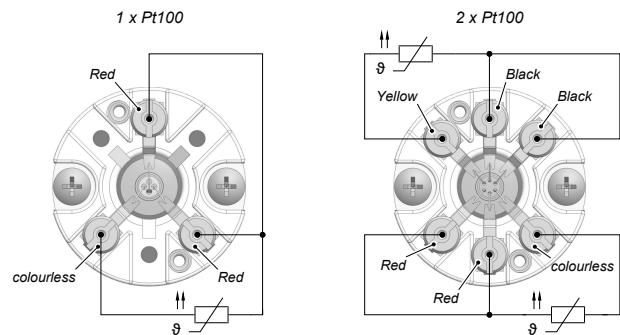


Pin assignment

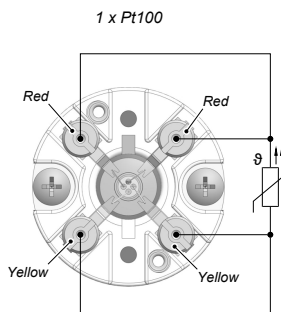
2-wire connection



3-wire connection

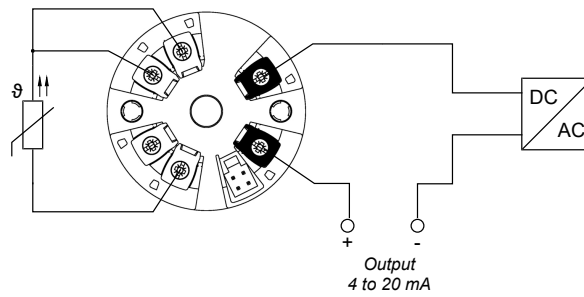


4-wire connection



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

