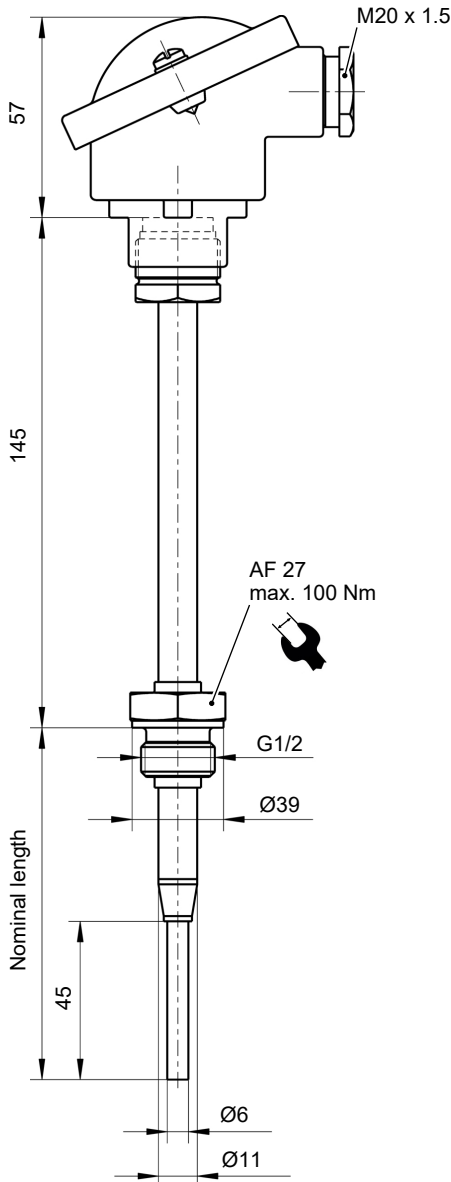


TW35 Screw-in resistance thermometer

Lightweight version (for pressures up to 10 bar and moderate flow loads)



Mechanical load-bearing capacity of the protective tube

Overpressure of 10 bar at 400°C
Permissible flow velocity:
25 m/s for air
3 m/s for water

- Measuring element:** Measuring insert to DIN 43762 (non-replaceable)
Insert tube, stainless steel 1.4571
Measuring resistor, 1x or 2x Pt100 to DIN EN 60751
- Protective sleeve:** Ø 11 mm; 1 mm wall thickness
Tapered to Ø 6 mm
Stainless steel 1.4571
- Neck pipe:** Ø 11 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 5

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

Nominal length

- 100 mm > 1
220 mm > 2
300 mm > 5
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)

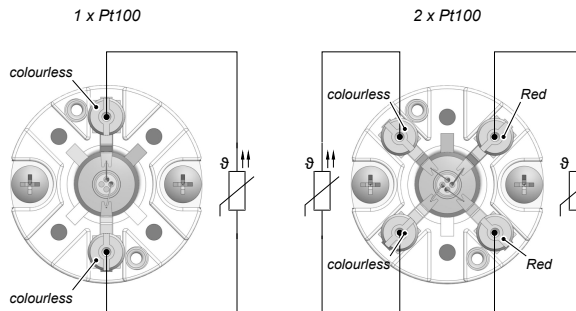
Measuring range of the 2-L transmitter

- 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 |

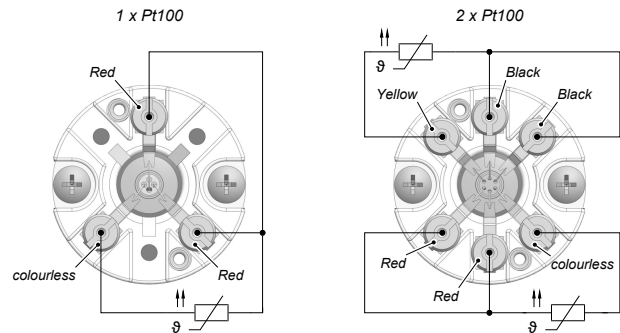


Pin assignment

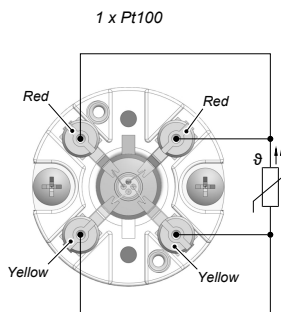
2-wire connection



3-wire connection

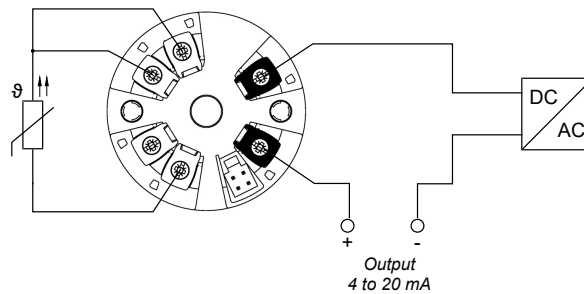


4-wire connection



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

