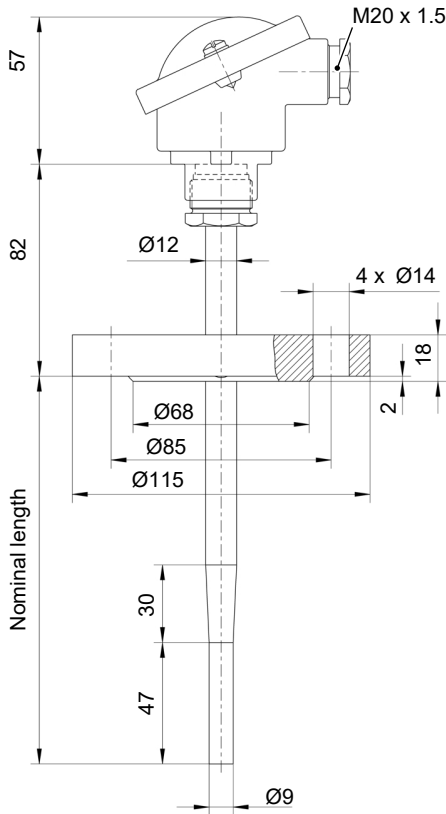


TW50 flanged resistance thermometer

Type F DIN 43771 (for higher pressure and flow loads)



Mechanical and thermal load-bearing capacity of the protective tube

Form 3F, DIN 43772
Material 1.4571
(X6CrNiMoTi17122)

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

Permissible pressure:
40 bar

- 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: Based on DIN 43772, Form 3F
Ø 12 mm; 2,751 mm wall thickness
Tapered to Ø9 mm
Stainless steel 1.4571
- Neck pipe: Ø 12 mm; 2,751 mm wall thickness; 82 mm long
Stainless steel 1.4571
- Process connection: Flange DN25 PN40 DIN EN 1092-1
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 5 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

Nominal length

- 225 mm > 3
285 mm > 5
345 mm > 7
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)

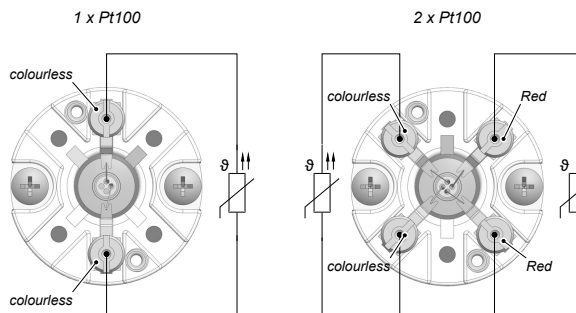
Measuring range of the 2-L transmitter

- 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

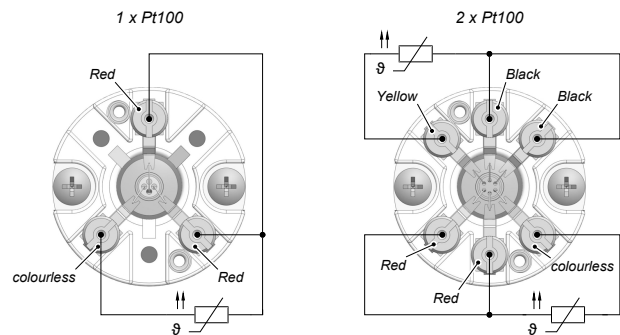


Pin assignment

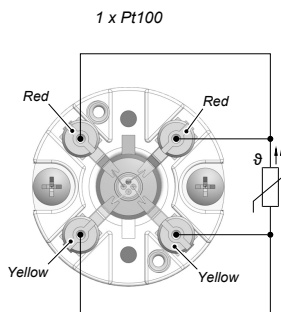
2-wire connection



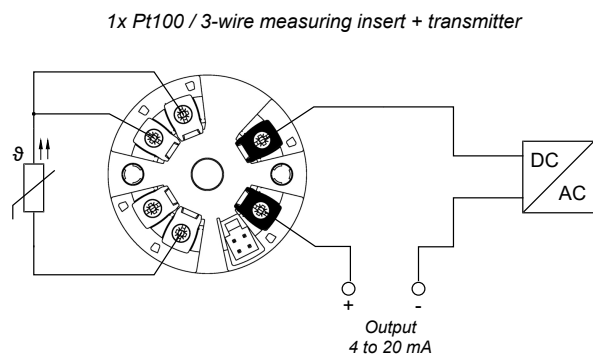
3-wire connection



4-wire connection



Transmitter connection



FISCHER Mess- und Regeltechnik GmbH

Bielefelder Straße 37a
D-32107 Bad Salzuflen
Tel.: +49 5222 974-0
www.fischermesstechnik.de
info@fischermesstechnik.de

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

