



Application area

- Food industry
- Pharmaceutical
- Chemical and petrochemical industry
- Machinery construction

Technische Daten

Mechanical design

Resistance thermometer with protective tube, stainless steel, mat.-no. 1.4301 (304)

Length of sensor see order code

Connection cable 1 m, 4 x 0,22 mm; 40 mm free wire ends

Optional: with connection plug, upon request

Measuring resistor

Measuring insert Pt 100 per DIN EN 60751

Nominal value of Pt 100 sensor: 100 Ohm at 0 °C

class A

class 1/3 B for range 0...150 °C,

selected and aged

Temperature range

Standard: 0...250 °C

Features

- Measuring resistor per DIN EN 60751
- Measuring sensor Ø 1,6 mm
- Temperature range 0...250 °C
- Accuracy per DIN EN 60751 class A (1/3 B)
- Electrical connection in 4-wire technology

Options

- Temperature range 0...400 °C
- Further lengths of measuring inserts upon request
- Electrical connection with plug upon request
- Calibration certificate per DIN EN 10204-3.1
- DKD calibration certificate

Application

The reference sensor is used for the in-process calibration of resistance thermometers.

This requires a special measuring insert with test pipe (see data sheet T4-025-45). This makes it possible to calibrate the installed resistance thermometer without disassembling the measuring insert.

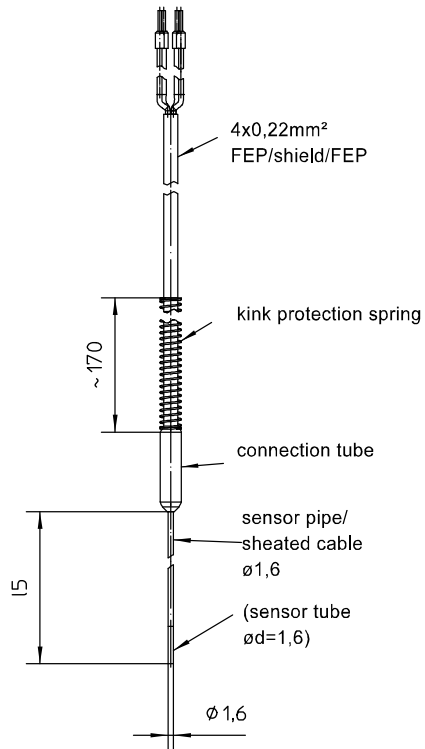
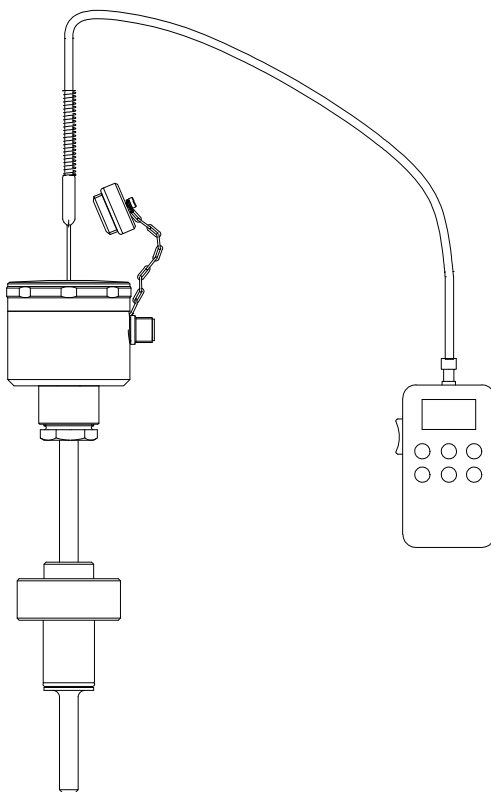
Measuring insert length

The length of the measuring insert is to be selected so that the measuring insert stands on the thermowell bottom. This ensures good heat transfer.

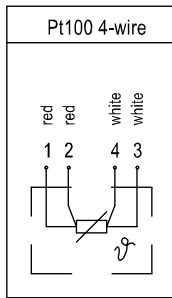
We recommend the use of thermolube.

The measuring insert is manufactured according to customer specifications.

Possible lengths: 100...2000

Dimensions**Reference sensor during test condition**

Connection diagramm



Order Details - please give additional specifications for models not listed -

Reference sensor for In-process calibration		GA3110
length l5 of measuring insert	standard lengths	
	200 mm	B1
	300 mm	B2
	400 mm	B3
	500 mm	B4
	600 mm	B5
	varying	B9
electrical connection	· connection cable 1m, 4 x 0,22 mm ² , 40 mm free wire ends	T80
order code (example):		GA3110 B2 T80