

### Features

- Measuring resistor per DIN EN 60751
- Measuring sensor  $\varnothing$  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 area

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

### 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.

## 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

### Measuring insert length

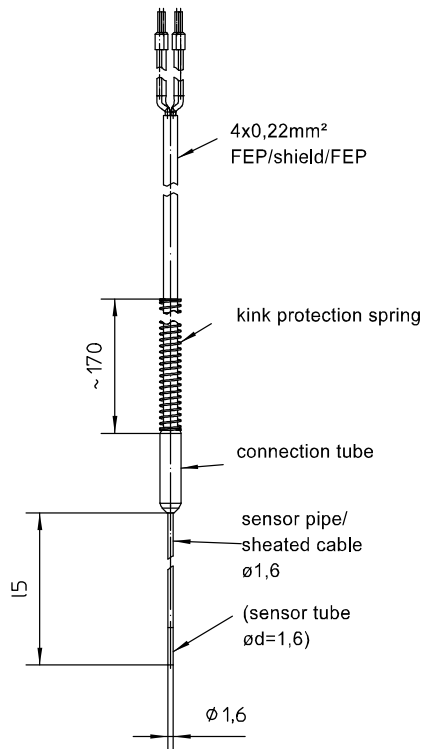
The length of the measuring insert is to be selected so that the measuring insert stands on the thermowell bottom. This ensures good heat transfer.

We recommend the use of thermolube.

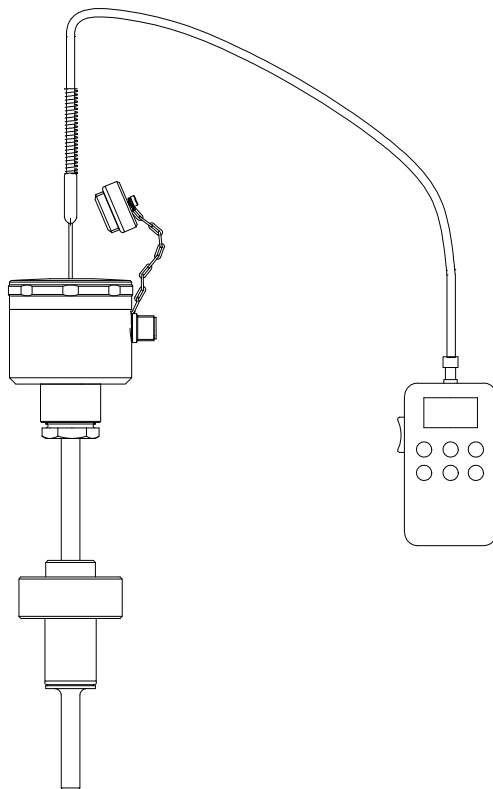
The measuring insert is manufactured according to customer specifications.

Possible lengths: 100...2000

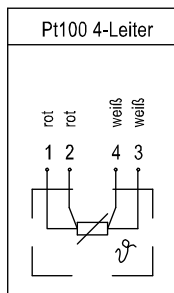
## Dimension



## Reference sensor during test condition



## Connection diagram



## Order details

Referenzfühler für In-Process Kalibrierung		GA3110
Messein- satzlänge l5	Standardlängen	
	200 mm	B1
	300 mm	B2
	400 mm	B3
	500 mm	B4
	600 mm	B5
	abweichend	B9
elektrischer Anschluss	Anschlusskabel 1 m, 4 x 0,22 mm <sup>2</sup> , 40 mm freie Enden	T80
<b>Bestellbeispiel:</b>		GA3110 B4 T80