

RESISTANCE THERMOMETER

Process attachment: Clamp-on

Type:
KP-COC

Sheet No.
2-5 V2.1

5860-E010818V2.1



Application:

- For measuring temperatures in the food industry and the pharmaceutical, cosmetic and chemical/ technical industries
- Temperature measuring on pipes
- No contact to medium

Properties:

- Clamp-on
- Sensor: Pt100 in acc. with IEC 60751
- Mechanical and thermal stress in acc. with DIN 43772
- Withstands media temperatures of up to max. 150°C
- Quick reaction time with silver bottom
- Reaction $T^{(\text{Tau}) 0,50}$, 6 – 12sek



MECHANICAL SPECIFICATIONS:

Protective sheath: -----
EN 1.4404 (AISI 316L)

Pipe diameter Ø [mm]: -----
Ø6 mm - Ø25 mm
Special

ELECTRICAL SPECIFICATIONS:

Sensor element:
1xPt100

Number of conductors:
3-wire
4-wire

Temperature range min/max:
-50/+150°C
Special

Tolerance in acc. with IEC 60751:
Type A DIN(i.e.±(0,15+0,002xTactual) °C)

Cable type:
Silicone (SS)
Silicone Braided Silicon (SBS)
Teflon Braided Teflon (TBT)

Cable length:
2 m
4 m
6 m
10 m
Special

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Calibration:

Temperature calibration are used to verify and certify the sensor to have the correct accuracy. We can do either: "In house" or "Accredited" calibration. Accredited is certified by 3.e part. Normally we do a calibration in 3 points.

Enhanced performance services:

Cold applications (below -50°C) will influence the material and the measurement. CRYO treatment is needed to ensure a correct and working sensor down to -196°C.

A sensor will always drift over time, especially when there are high temperature fluctuations.

With "Ageing treatment" we stabilize the sensor to ensure a minimum drift over time. The benefits are long term stability, more correct measurement and easier planning of calibration periods.

Documentation:

Please order the correct documentation when ordering the sensor.



SIGNAL PROCESSING

Enclosure

Marine Box (112x82x42mm) -----

ABS Box (82x80x56mm) -----

NONE -----

Programmable mounted transmitter:

Measuring range min/max: -200/+850°C
Output: 2-wire, 4-20 mA
Min. span: 25°C
Ambient temperature min/max: -40/+85°C



- [5333A Uninsulated for RTD](#)
- [5333D EEX Uninsulated for RTD](#)
- [5332A Uninsulated for RTD](#)
- [5332D EEX Uninsulated for RTD](#)
- [5331A Galvanic Isolated RTD / TC](#)
- [5331D EEX Galvanic Isolated RTD / TC](#)
- [5335A Hart 5 Protocol Standard](#)
- [5335D Hart 5 Protocol CSA, FM, ATEX, IECEx](#)
- [5337A Hart 5 & 7 Protocol](#)
- [5337D Hart 5 & 7 Protocol CSA, FM, ATEX, IECEx](#)



Transmitter Type:		<input type="text"/>			
4 mA =	<input type="text"/>	C°	20 mA =	<input type="text"/>	C°

- [5350A Profibus standard](#)
- [5350B Profibus ATEX, FM and CSA](#)

Link to further information:

[Transmitter Overview](#)

[Programmable rail mounted transmitter](#)

CALIBRATION

Calibration:

In house (Span -33°C - +700°C)

Accredited – in laboratory (-196°C - +1200°C)

1.	Point	<input type="text"/>	°C
2.	Point	<input type="text"/>	°C
3.	Point	<input type="text"/>	°C

More point on request

Enhanced performance services

Cryo treatment.

For temperature sensor under -50°C

Ageing:

For long term stability.
Secure minimum drift of sensor accuracy

Documentation

Certificate: 3.1 Material
Certificate of origin
Certificate of conformity

Other on request

Save

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