Kjaerulf Pedersen a/s

Sheet no.
1-50

RESISTANCE THERMOMETER type: RT-RTBC2

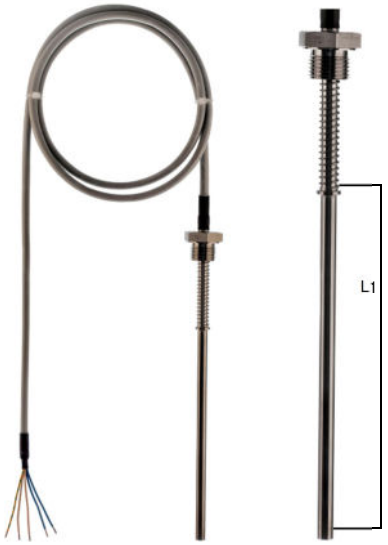
Application: for measuring bearing temperatures
Measuring inset: fixed

Application:

- For measuring temperatures in moveable parts such as bearings and axles
- For tasks that require easy and quick replacement of temperature sensors

Properties:

- Sensor Pt100 or Pt1000
- Measuring inset: fixed
- Electrical connection: cable type TBT (Teflon-Braid-Teflon)
- Outer protective sheath: acid-proof steel
- IP67
- Marine approved by: DNV LR, NK, RINA, ABS and BV



	RT-RTBC2	5860-E200313

MECHANICAL SPECIFICATIONS:

Protective sheath: ----------
Wnr.1.4571 (AISI316TI)

Sensor diameter: ----------
Ø6mm
Ø8mm
Special

Nominal length L1: ----------
50mm
100mm
150mm
Special

Process attachment: ----------
¼" BSP (with oil tight O-ring)
½" BSP (with oil tight O-ring)
½"NPT (with oil tight O-ring)
Special

Spring Length: ----------
100mm
150mm
200mm

Bottom:----------
Steel
Silver (For quick reaction)

ELECTRICAL SPECIFICATIONS:

---Sensor element:
1 x Pt100
2 x Pt100
1 x Pt1000
2 x Pt1000

---Number of conductors:
2 conductors
3 conductors
4 conductors

---Media temperatures max:
- 50/+250°C
Special

---Electrical connection:
Cable type TBT (Teflon-Braid-Teflon)
Special

---Cable length:
3000mm
Special

---Tolerance in acc. with DIN IEC 751:
Type A DIN (i.e.±(0,15+0,002xTactual)°C)
Type B 1/1 DIN (i.e.±(0,3+0,005xTactual)°C)
Type B 1/3 DIN (i.e.±(0,1+0,005xTactual)°C)
Type B 1/6 DIN (i.e.±(0,06+0,005xTactual)°C)
Type B 1/10 IN(i.e.±(0,03+0,005xTactual)°C)

Date:	Amount:	Price:	KP item no.:	Customer item no.:
Company name:	Name:	Tel.:	Fax:/e-mail:	

Kjærulf Pedersen a/s, Taastrupgårdsvej 8-10, DK-2630 Taastrup, Tel.: +45 39760203, Fax: +45 39760501, sensor@kp-as.com, www.kp-as.com

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Sheet no. 1-50

THERMO COUPLE THERMOMETER type: TC-RTBC2

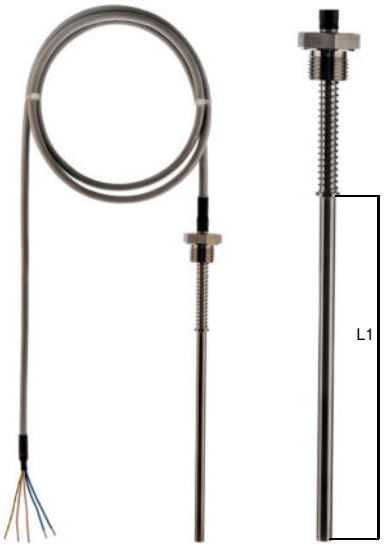
Application: for measuring bearing temperatures
Measuring inset: fixed

Application:

- For measuring temperatures in moveable parts such as bearings and axles
- For tasks that require easy and quick replacement of temperature sensors

Properties:

- Sensor Thermocouple type K, J, E, N,T
- Measuring inset: fixed
- Electrical connection: cable type TBT (Teflon-Braid-Teflon)
- Process attachment: bayonet coupling
- Outer protective sheath: acid-proof steel
- IP67
- Marine approved by: DNV LR, NK, RINA, ABS and BV



	TC-RTBC2	5860-E200313

MECHANICAL SPECIFICATIONS:

Protective sheath: ----------
Wnr.1.4571 (AISI316TI)

Sensor diameter: ----------
Ø8mm
Special

Nominal length L1: ----------
50mm
100mm
150mm
Special

Process attachment: ----------
¼" BSP (with oil tight O-ring)
½" BSP (with oil tight O-ring)
½"NPT (with oil tight O-ring)
Special

Spring Length: ----------
100mm
150mm
200mm
Special

Sensor Bottom:----------
Steel
Silver (For quick reaction)

ELECTRICAL SPECIFICATIONS:

---**Sensor element:**

Type K (NiCr-Ni))	max	+1150°C
Type J (Fe-CuNi	max	+700°C
Type E (NiCr-CuNi)	max	+800°C
Type N (NiCrSi-Ni)	max	+1250°C
Type T (Cu-CuNi)	max	+300°C

Special

---**Number Thermo couple:**
1 x TC
2 x TC

---**Cable length:**
3000mm
6000mm
10000mm
Special

---**Tolerance in acc. with DIN IEC 751:**
Class 1 for K,J,E,N (i.e. ±1,5°C or ±(0,0040xT)
Class 2 for K,J,E,N (i.e. ±2,5°C or ±(0,0075xT)
Class 1 for T (i.e. ±0,5°C or ±(0,0040xT)
Class 2 for T (i.e. ±1,5°C or ±(0,0075xT)

Date:	Amount:	Price:	KP item no.:	Customer item no.:
Company name:	Name:	Tel.:	Fax:/e-mail:	

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