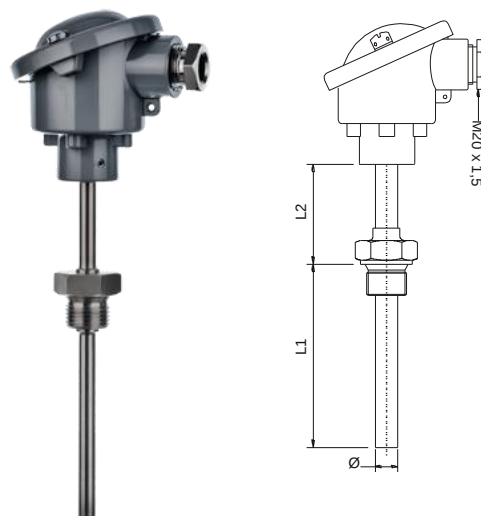


Application:

- For measuring temperatures in closed pipelines and containers with gaseous or liquid media, e.g. air, steam, gas, water or oil.
- Field of application: up to 600°C, max 50bar and media velocities of up to 25m/sec
- Typically applied in:
 - processing plants
 - power plants
 - district heating, energy distribution

Properties:

- Pt100 resistance thermometer in accordance with DIN IEC 751
- Mechanical and thermal stress in accordance with DIN 43763
- Process attachment: welded or adjustable coupling
- Measuring inset: fixed, short reaction time
- Outer protective sheath: stainless acid-proof steel
- Modular construction and standard length minimizes the number of spare parts
- Can be delivered with head mounted transmitter
- Marine approved by: DNV, LR, GL, NK, RINA, ABS, KR and BV
- Approved by: GOST and GOST Metrology



	RT-BUI	5451-E200313
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MECHANICAL SPECIFICATIONS:

Protective sheath: -----

Wnr.1.4571(AISI316TI, max. 850°C)

Special

Sensor diameter (mm): -----

Ø8 / Ø9 / Ø11 / Ø15

Special:

Extension length L2: -----

50 mm, 100mm, 150mm

Special:

Immersion length L1: -----

100mm, 150mm, 200mm, 250mm, 300mm

Special:

Process attachment: -----

Welded coupling 1/4" BSP

Welded coupling 1/2" BSP

Welded coupling 3/4" BSP

Special

Protection head: -----

B (aluminium, enamelled, low cap, IP62)

BH (aluminium, enamelled, high cap, IP62)

BSB (aluminium, tilting lid w. screw, low cap, IP65)

BSBH (aluminium, tilting lid w. screw, high cap, IP65)

CE (aluminium, enamelled, screw cap, IP68)

BSP (plastic, black, screw cap, IP62)

BRF-M16 (stainless, screw cap, M16x1,5, IP67)

BRF-M20 (stainless, screw cap, M20x1,5, IP67)

Special

ELECTRICAL SPECIFICATIONS:

---Sensor element:

1xPt100

2xPt100

1xPt1000

2xPt1000

---Number of conductors:

2 conductors

3 conductors

4 conductors

---Media temperature max:

+180°C

+250°C

+400°C

+600°C

---Tolerance in accordance 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.±(0,05+0,005xTactual)°C)

Type B 1/10 DIN(i.e.±(0,03+0,005xTactual)°C)

☐ No ☐ Yes

If "yes":

4mA= _____ °C

20mA= _____ °C

☐ Upscale

☐ Downscale

Type:.....

---Programmable transmitter

Measuring range min/max: -200/+850°C

Output: 2-wire, 4-20mA

Min. span: 25°C

Ambient temperature min/max:

-40/+85°C