

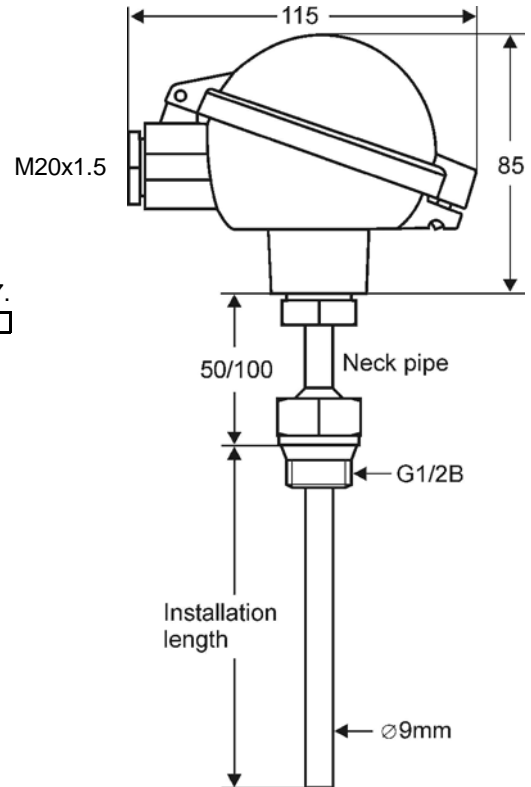
# Pt100 Temperature Sensor TR 201-Ex

Optional with 4...20mA Ex-Head transmitter



## Features

- Intrinsically safe ATEX II 1/2G EEx-ia IIC
- RTD Pt100 class. B, 3-wire connection
- Temperature range -50 ... 250°C
- Protection sheath stainless steel 1.4571
- Sheath diameter 9 mm
- Neck pipe 50mm / 100mm
- Process connection G1/2B
- Built-in 4-20mA Ex-transmitter possible (2 transmitters on request)

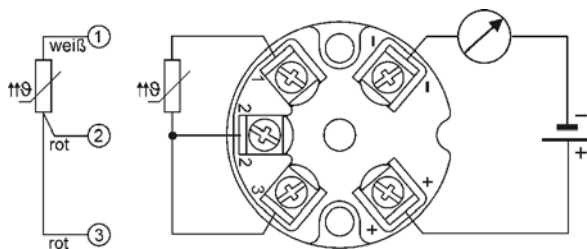


Order code: TR201-Ex -  -  -  -  -  -  -

1. **Number of element** (1 or 2)
2. **Protection sheath diameter** 9 mm
3. **Installation length [mm]**
4. **Terminal head**  
BSZ with snap-lid (IP65), Aluminium
5. **Max. operating temperature** 250 °C \*
6. **Ex-Head transmitter** (factory)  
0 without  
TXX XX = factory configured measuring range  
e.g.: T-50/50 -50...50°C = 4...20mA
7. **Option**  
00 without option  
01 Neck pipe 100mm

## Connection diagram

Sensor Pt100      Head transmitter Output 4...20mA



\* Decreasing of the max. operating temperature at electrical load for the sensor with 50mW for:

Temperature class	Nominal value	Max. ope. temp.	Neck pipe
T6	85°C	62°C	50mm
T5	100°C	74°C	50mm
T4	135°C	102°C	50mm
T3	200°C	154°C	50mm
T2	300°C	230°C	100mm

## Stock

### Typ

- TR201-Ex-1-9 - 40 - G1/2B - BSZ-250-0-00
- TR201-Ex-1-9 - 100 - G1/2B - BSZ-250-0-00
- TR201-Ex-1-9 - 160 - G1/2B - BSZ-250-0-00
- TR201-Ex-1-9 - 250 - G1/2B - BSZ-250-0-00
- TR201-Ex-1-9 - 400 - G1/2B - BSZ-250-0-00
- TR201-Ex-1-9 - 600 - G1/2B - BSZ-250-0-00

### Extra price

Built-in head transmitter T24Ex  
 configured to the wanted measuring range(please state in cleartext)  
 Programming adapter and software