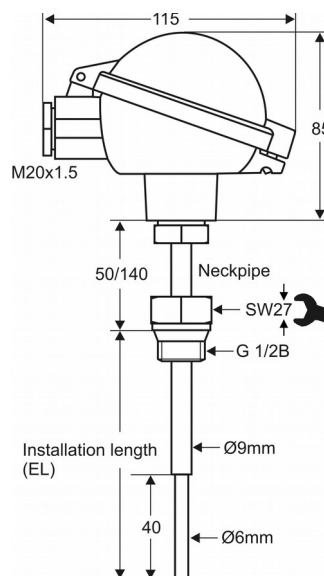


Product Information

# Safety RTD Sensor TR296



## Dimensions



## Characteristics

- Fast response sensor for measurement in exhaust gas and air
- Certified as Sensor for Safety Temperature Limiters STL50 for gaseous media acc. to SIL 2 (DIN EN 61508) and DIN EN 14597 (substitute DIN 3440)
- Ex certified to ATEX Ex-i GD for gases and dust
- Sensor with 2 x Pt100 class A, 3-wire
- Max. operating temperature -100..+600 °C
- Process pressure 40 bar
- Protection tube D = 9/6mm, stainless steel 1.4571
- Process connection G ½ B
- Terminal head BSZ (Aluminum) IP65 with snap-lid

## Temperature equalization

The 63.2 % step-response time of temperature variation at the probe tip will be:

Medium	T63.2%
Water	typical 20 s
Oil	typical 30 s
Air	typical 85 s

## Ordering code

1.  - 2.  - 3.  - 4.  - 5.  - 6.  - 7.  - 8.  - 9.

|                                      |  |
|--------------------------------------|--|
| <b>1. Type</b>                       | TR296  |
| <b>2. Variation</b>                  | 00 standard<br>Ex Ex certified acc. to ATEX Ex-i GD                                    |
| <b>3. Measuring elements</b>         | 2 2 elements Pt100 class A, 3-wire   |
| <b>4. Protection tube diameter</b>   | 9/6 9mm to 6mm reduced   |
| <b>5. Neck pipe length</b>           | 50 50 mm<br>140 140 mm<br>XX custom neck pipe  |
| <b>6. Installation length NL</b>     | 100 100 mm<br>160 160 mm<br>250 250 mm<br>400 400 mm<br>600 600 mm<br>XX custom length |
| <b>7. Process connection</b>         | G ½ B  |
| <b>8. Terminal head</b>              | BSZ with snap-lid (Aluminum)   |
| <b>9. Max. operating temperature</b> | 600°C  |

(Custom variation on request)