

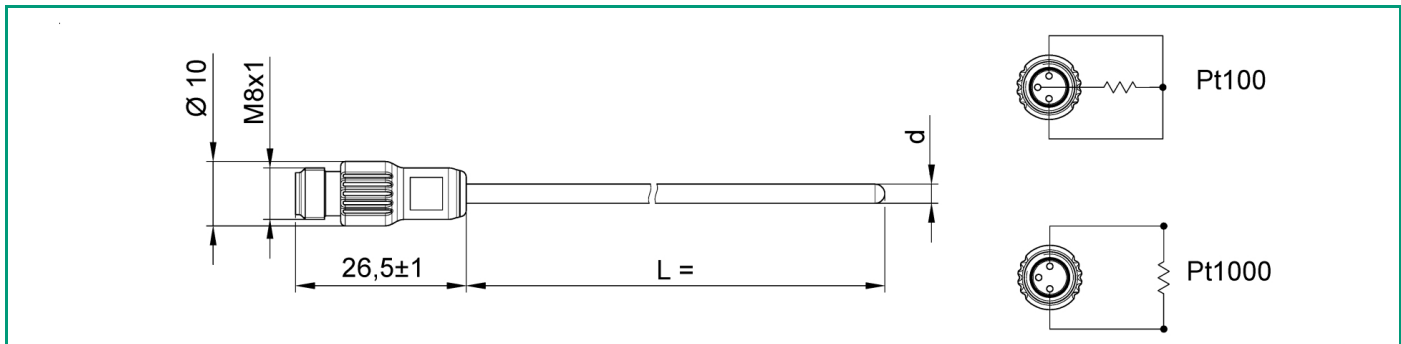
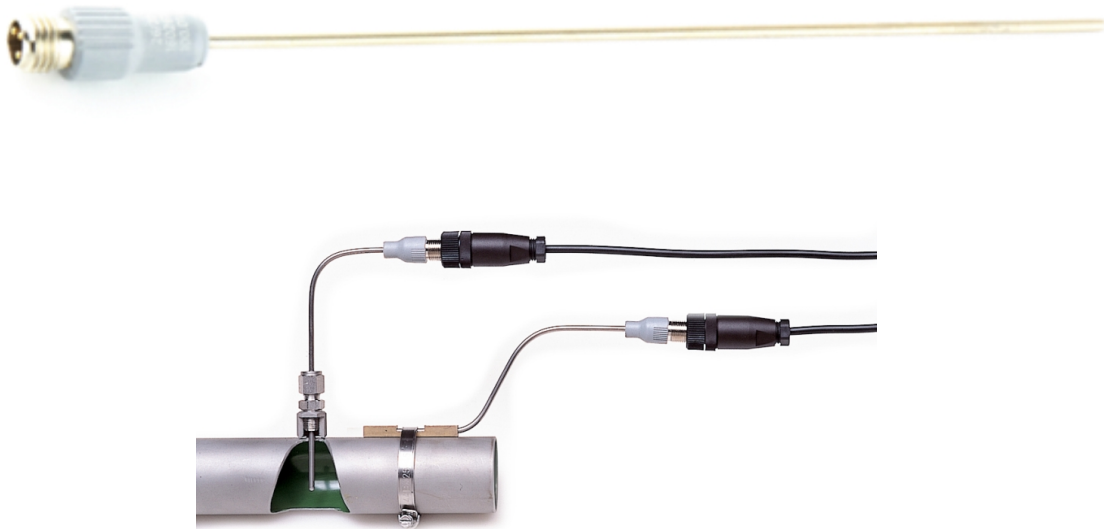
TRSV8

Rev. 1 - 10/06/2022

RTD WITH M8 CONNECTOR

Thermoresistance thermometer with 3 poles M8 connector, combines the advantages of the connector with those of the " transition "

- Moulded IP67 connector
- bendable compact mineral insulated construction (M.I.C.) Ø 2 or 3 mm
- suitable for temperatures up to 500°C



TECHNICAL SPECIFICATION

| | |
|---|--|
| Sensing element | Pt100 Ω @ 0°C Pt1000 Ω @ 0°C |
| Sensing Element configuration | single 3-wire |
| Accuracy class in accordance to IEC751 (*) (*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only; Pt 1000 cl. A available with 2 wires only for cable lengths below 1 m, for longer cables only available with 3 or 4 wires, cl. AA 3 wires for cable lengths below 1 m, for longer cables only 4 wires. | cl. A, Operating range (in which the accuracy class is guaranteed) -30 ÷ 300°C cl. B, Operating range (in which the accuracy class is guaranteed) -50 ÷ 500°C |
| Sheet material | AISI 316L |
| Sheath diameter d (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step | \varnothing 2 mm, Response time < 1,5 seconds(*) \varnothing 3 mm, Response time < 3,5 seconds(*) |
| M.I.C. min. bending radius | 3 times the outer diameter (except the sensing tip which length is ~30 mm) |
| Insulation resistance | 100 M Ω @ 100 Vdc. |
| Stem length L | 100 mm 150 mm 250 mm 350 mm |
| Dimensional notes | Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study) |
| Type of connector | male 3-pin connector with M8x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS) |
| Connection body material | POLYAMYDE (MOULDED) |
| Maximum connector temperature | 120°C |
| Fixing system | bare stem |
| Marking | marked with calibration value at 0 °C, production date and traceability code |
| International protection marking (*) (*) According to IEC 60529 | IP67 |
| FCM Prescriptions | Before the use is required to wash the food contact areas |
| Contact food type | all the foods |
| Materials in contact with food | AISI 316L |
| Type of contact | continuous |
| Area suitable for contact | stem for a maximum length of 1 m (measured from the tip) |
| Contact food temperature range | -40 ÷ 150°C |
| Maximum working pressure | PN 100 BAR |

ORDER CODES

| | | | | | |
|------------------------------|----|------------------|------|---------------|------|
| TRSV8# | P1 | | | | X |
| Class (According to IEC 751) | | Diameter d (mm) | | Lenght L (mm) | |
| B | B | \varnothing 2* | -2-- | 100 | 0100 |
| A | A | \varnothing 3 | -3-- | 150 | 0150 |
| | | | | 250 | 0250 |
| | | | | 350 | 0350 |

* Only L= 150

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WE SENSE
TEMPERATURE