

# Temperature Sensor

## FXDD005

Part Number

weFlux<sup>2</sup> InoxSens



- FDA compliant
- Response time T90: < 2 seconds
- Robust stainless steel housing with IP69K
- Temperature measuring range: -50 ... +200° C

### Technical Data

#### Sensor-specific data

|                               |                |
|-------------------------------|----------------|
| Sensor element                | PT100, Class B |
| Temperature Measurement Range | -50...200 °C   |
| Medium                        | Liquids, gases |
| Response Time                 | < 2 s          |

#### Environmental conditions

|                       |              |
|-----------------------|--------------|
| Temperature of medium | -50...200 °C |
| Ambient temperature   | -25...80 °C  |
| Storage temperature   | -25...80 °C  |
| Mechanical Strength   | 100 bar      |
| Shock Resistance      | IEC 60751    |
| Vibration resistance  | IEC 60751    |

#### Mechanical Data

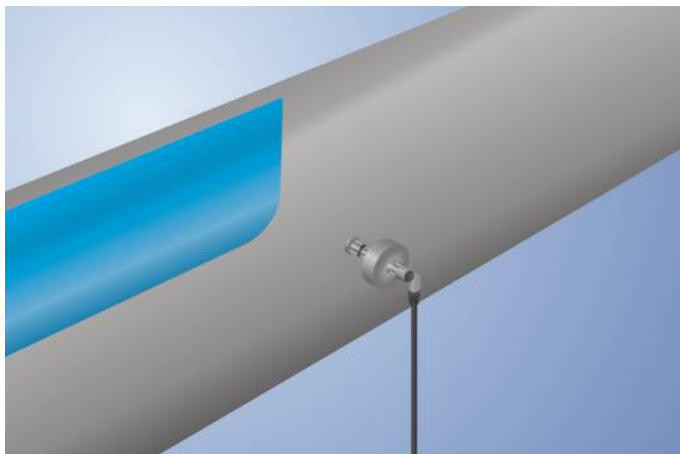
|                                 |                |
|---------------------------------|----------------|
| Housing Material                | 1.4404         |
| Material in contact with media  | 1.4404         |
| Degree of Protection            | IP68/IP69K *   |
| Connection                      | M12 × 1; 4-pin |
| Process Connection              | G 1/4"         |
| Process Connection Length (PCL) | 45 mm          |
| Probe Length (PL)               | 9,5 mm         |

PT100 ●

|                                    |            |
|------------------------------------|------------|
| Connection Diagram No.             | <b>140</b> |
| Suitable Connection Technology No. | <b>21</b>  |
| Suitable Mounting Technology No.   | <b>901</b> |

\* Tested by wenglor

weFlux<sup>2</sup> Temperature Sensors ensure precise temperature measurement of liquids and gases in closed piping systems. It's easy to incorporate the standardized PT100/PT1000 resistance value into the controller. The compact housing with a diameter of just 27 mm is made of V4A stainless steel and features an easy-to-clean surface. Thanks to their rugged housing and functional design, the Temperature Sensors are FDA compliant.



### Complementary Products

Seal G1/4" ZH5G001

