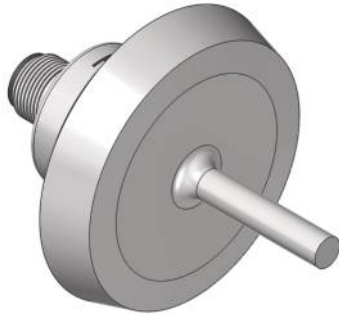


Temperature Sensor

FXDD114

Part Number

weFlux² InoxSens



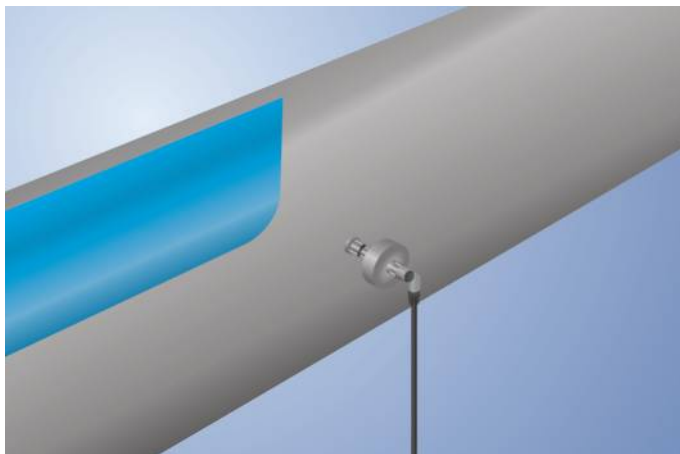
- FDA compliant
- Response time T90: < 2 seconds
- Robust stainless steel housing with IP69K
- Temperature measuring range: -50 ... +200° C

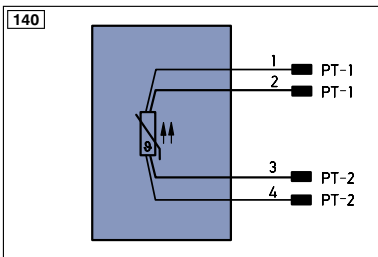
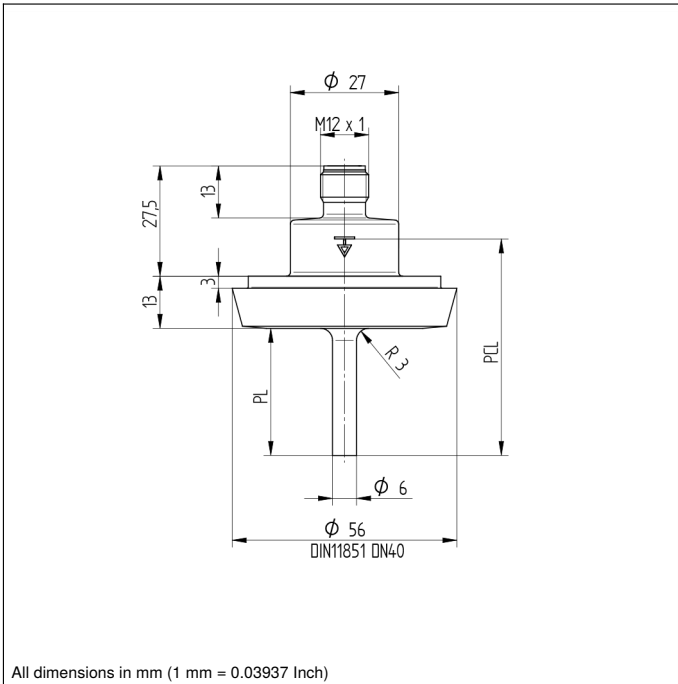
Technical Data

| Sensor-specific data | |
|-----------------------------------|-----------------|
| Sensor element | PT1000, 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 |
| Pressure Resistance | 40 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 | Dairy pipe DN40 |
| Process Connection Length (PCL) | 54 mm |
| Probe Length (PL) | 32 mm |
| PT1000 | ● |
| Connection Diagram No. | 140 |
| Suitable Connection Equipment No. | 2 |

* Tested by wenglor

weFlux² 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.





| Legend | |
|------------------------------------|--|
| + | Supply Voltage + |
| - | Supply Voltage 0 V |
| ~ | Supply Voltage (AC Voltage) |
| A | Switching Output (NO) |
| Ā | Switching Output (NC) |
| V | Contamination/Error Output (NO) |
| ṽ | Contamination/Error Output (NC) |
| E | Input (analog or digital) |
| T | Teach Input |
| Z | Time Delay (activation) |
| S | Shielding |
| RxD | Interface Receive Path |
| TxD | Interface Send Path |
| RDY | Ready |
| GND | Ground |
| CL | Clock |
| E/A | Output/Input programmable |
| | IO-Link |
| PoE | Power over Ethernet |
| IN | Safety Input |
| OSSD | Safety Output |
| Signal | Signal Output |
| Bl..D +/- | Ethernet Gigabit bidirect. data line (A-D) |
| EN0..542z | Encoder 0-pulse 0-0 (TTL) |
| PT | Platinum measuring resistor |
| nc | not connected |
| U | Test Input |
| Ū | Test Input inverted |
| W | Trigger Input |
| W- | Ground for the Trigger Input |
| O | Analog Output |
| O- | Ground for the Analog Output |
| BZ | Block Discharge |
| AWV | Valve Output |
| a | Valve Control Output + |
| b | Valve Control Output 0 V |
| SY | Synchronization |
| SY- | Ground for the Synchronization |
| E+ | Receiver-Line |
| S+ | Emitter-Line |
| ⊕ | Grounding |
| S _n R | Switching Distance Reduction |
| Rx +/- | Ethernet Receive Path |
| Tx +/- | Ethernet Send Path |
| Bus | Interfaces-Bus A(+)/B(-) |
| L _a | Emitted Light disengageable |
| Mag | Magnet activation |
| RES | Input confirmation |
| EDM | Contactur Monitoring |
| EN0..542z | Encoder A/Ā (TTL) |
| EN0..542z | Encoder B/B̄ (TTL) |
| EN _A | Encoder A |
| EN _B | Encoder B |
| A _{MIN} | Digital output MIN |
| A _{MAX} | Digital output MAX |
| A _{OK} | Digital output OK |
| SY _{in} | Synchronization In |
| SY _{OUT} | Synchronization OUT |
| OL _T | Brightness output |
| M | Maintenance |
| rsv | reserved |
| Wire Colors according to IEC 60757 | |
| BK | Black |
| BN | Brown |
| RD | Red |
| OG | Orange |
| YE | Yellow |
| GN | Green |
| BU | Blue |
| VT | Violet |
| GY | Grey |
| WH | White |
| PK | Pink |
| GNYE | Green/Yellow |

