

Temperature Sensor

FXDD115

Part Number

weFlux² InoxSens



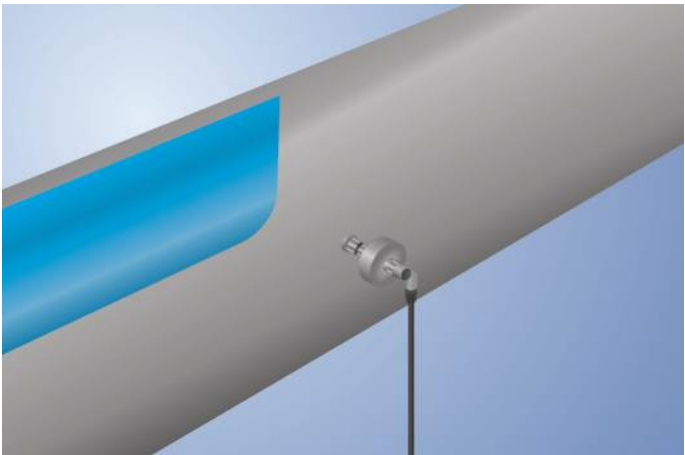
- FDA compliant
- Response time T90: < 2 seconds
- Robust stainless steel housing with IP69K
- Temperature measuring range: -50 ... +200° C

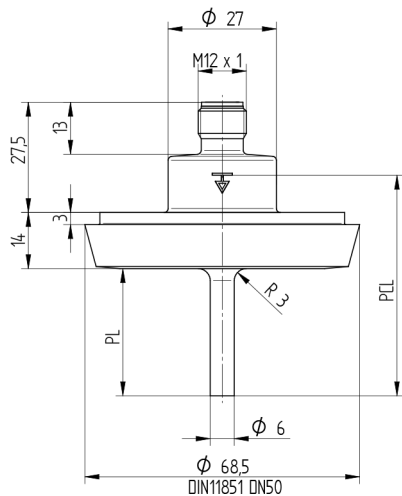
Technical Data

| 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 | 25 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 DN50 |
| Process Connection Length (PCL) | 55 mm |
| Probe Length (PL) | 32 mm |
| PT1000 | ● |
| Connection Diagram No. | 140 |
| Suitable Connection Equipment No. | 2 |

* Certified by wenglor

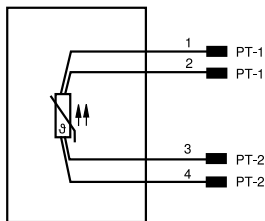
weFlux² Temperature Sensors ensure precise temperature measurement of liquids and gases in closed piping systems. It's easy to incorporate the standardized PT100/PT1000 resistance value into the controller. The compact housing with a diameter of just 27 mm is made of V4A stainless steel and features an easy-to-clean surface. Thanks to their rugged housing and functional design, the Temperature Sensors are FDA compliant.





All dimensions in mm (1 mm = 0.03937 Inch)

140



Legend

| | | | | | |
|-----------|--|-----------|--------------------------------|--|---------------------|
| + | Supply Voltage + | nc | Not connected | ENBRS422 | Encoder B/B (TTL) |
| - | Supply Voltage 0 V | U | Test Input | ENA | Encoder A |
| ~ | Supply Voltage (AC Voltage) | Ü | Test Input inverted | ENB | Encoder B |
| A | Switching Output (NO) | W | Trigger Input | AMIN | Digital output MIN |
| Ä | Switching Output (NC) | W- | Ground for the Trigger Input | AMAX | Digital output MAX |
| V | Contamination/Error Output (NO) | O | Analog Output | AOK | Digital output OK |
| Ÿ | Contamination/Error Output (NC) | O- | Ground for the Analog Output | SY In | Synchronization In |
| E | Input (analog or digital) | BZ | Block Discharge | SY OUT | Synchronization OUT |
| T | Teach Input | Amv | Valve Output | OLT | Brightness output |
| Z | Time Delay (activation) | a | Valve Control Output + | M | Maintenance |
| S | Shielding | b | Valve Control Output 0 V | rsv | Reserved |
| RxD | Interface Receive Path | SY | Synchronization | Wire Colors according to DIN IEC 60757 | |
| TxD | Interface Send Path | SY- | Ground for the Synchronization | BK | Black |
| RDY | Ready | E+ | Receiver-Line | BN | Brown |
| GND | Ground | S+ | Emitter-Line | RD | Red |
| CL | Clock | ± | Grounding | OG | Orange |
| E/A | Output/Input programmable | SnR | Switching Distance Reduction | YE | Yellow |
| IO-Link | IO-Link | Rx+/- | Ethernet Receive Path | GN | Green |
| PoE | Power over Ethernet | Tx+/- | Ethernet Send Path | BU | Blue |
| IN | Safety Input | Bus | Interfaces-Bus A(+)/B(-) | VT | Violet |
| OSSD | Safety Output | La | Emitted Light disengageable | GY | Grey |
| Signal | Signal Output | Mag | Magnet activation | WH | White |
| BL_D+/- | Ethernet Gigabit bidirect. data line (A-D) | RES | Input confirmation | PK | Pink |
| ENo RS422 | Encoder 0-pulse 0/Ü (TTL) | EDM | Contact Monitoring | GNYE | Green/Yellow |
| PT | Platinum measuring resistor | ENARIS422 | Encoder A/A (TTL) | | |