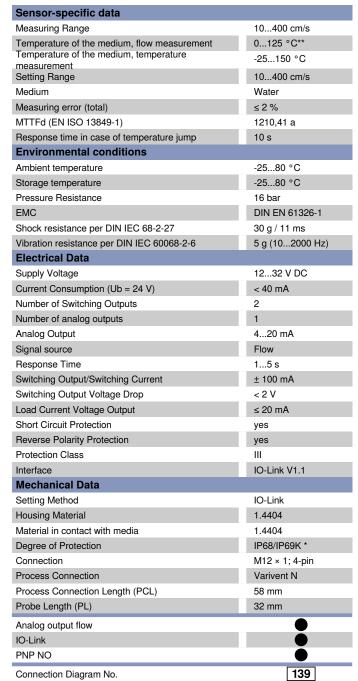
Flow Sensor with IO-Link

FXFF013

Part Number

weFlux² InoxSens

Technical Data



* Certified by wenglor

Suitable Connection Equipment No.

** The sensors were calibrated and specified for the medium water. Technically, the sensors are suitable for a medium temperature of up to -25 °C. To achieve a temperature below 0 °C, a different medium must be added to the water. This leads to a different measurement result, which is why an application below 0 °C must be tested individually for the mixture used.



- A single sensor for flow and temperature
- FDA compliant
- Measurement independent of flow direction and instillation position
- Ready for Industry 4.0 with IO-Link 1.1

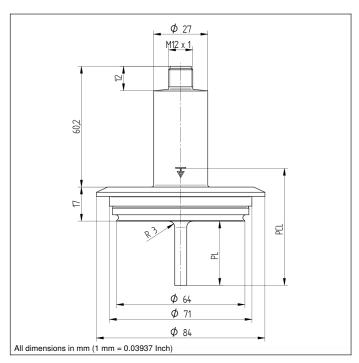
weFlux² flow sensors simultaneously measure flow velocity and the temperature of aqueous liquids regardless of position and flow direction. The advantage: The number of measuring points and the diversity of sensor variants are cut in half, ensuring the greatest possible flexibility when installing in closed piping systems. Either 2 switching outputs or 1 switching output and 1 analog output are available depending on application requirements. The outputs can be configured as desired via IO-Link in order to flexibly adapt the sensors to the respective application.

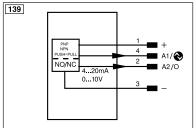


Complementary Products

IO-Link Master

Software





| Legend | | | | | | |
|-----------|--|----------|--------------------------------|----------------------|--------------------------------------|--|
| + | Supply Voltage + | nc | Not connected | ENB _{RS422} | Encoder B/B (TTL) | |
| - | Supply Voltage 0 V | U | Test Input | ENA | Encoder A | |
| ~ | Supply Voltage (AC Voltage) | Ū | Test Input inverted | ENB | Encoder B | |
| Α | Switching Output (NO) | W | Trigger Input | Amin | Digital output MIN | |
| Ā | Switching Output (NC) | W- | Ground for the Trigger Input | AMAX | Digital output MAX | |
| V | Contamination/Error Output (NO) | 0 | Analog Output | Аок | Digital output OK | |
| ⊽ | Contamination/Error Output (NC) | 0- | Ground for the Analog Output | SY In | Synchronization In | |
| E | Input (analog or digital) | BZ | Block Discharge | SY OUT | Synchronization OUT | |
| Τ | Teach Input | Аму | Valve Output | OLT | Brightness output | |
| Z | Time Delay (activation) | а | Valve Control Output + | M | Maintenance | |
| S | Shielding | b | Valve Control Output 0 V | rsv | Reserved | |
| RxD | Interface Receive Path | SY | Synchronization | Wire Colo | re 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 | |
| ② | IO-Link | Rx+/- | Ethernet Receive Path | GN | Green | |
| PoE | ower 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 | |
| BI_D+/- | Ethernet Gigabit bidirect. data line (A-D) | RES | Input confirmation | PK | Pink | |
| ENo RS422 | Encoder 0-pulse 0/0 (TTL) | EDM | Contactor Monitoring | GNYE | Green/Yellow | |
| PT | Platinum measuring resistor | ENARS422 | Encoder A/Ā (TTL) | | | |











