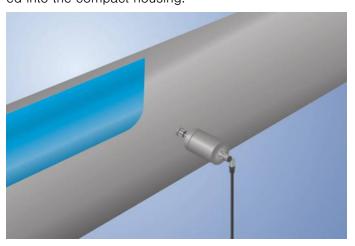
FXFF101

Part Number



- 2 analog outputs: 4 ... 20 mA
- A single sensor for flow and temperature
- FDA compliant
- Measurement independent of flow direction and instillation position

weFlux² Flow Sensors with two analog outputs simultaneously measure flow velocity and the temperature of aqueous liquids regardless of position and direction of flow. Advantage: The number of measuring points and the diversity of sensor variants are cut in half, and greatest possible flexibility is assured for installation in closed piping systems. The analysis module is integrated into the compact housing.



weFlux² InoxSens

Technical Data

Company amonific data			
Sensor-specific data			
Measuring Range	10400 cm/s		
Temperature of the medium, flow measurement Temperature of the medium, temperature	0125 °C**		
measurement	-25150 °C		
Adjustable Range	10400 cm/s		
Medium	Water ≤ 2 %		
Measuring error			
Response time in case of temperature jump	10 s		
Environmental conditions			
Ambient temperature	-2580 °C		
Storage temperature	-2580 °C		
Mechanical Strength	100 bar		
EMC	DIN EN 61326-1		
Shock resistance per DIN IEC 68-2-27	30 g / 11 ms		
Vibration resistance per DIN IEC 60068-2-6	5 g (102000 Hz)		
Electrical Data			
Supply Voltage	1232 V DC		
Current Consumption (Ub = 24 V)	< 40 mA		
Analog Outputs	2		
Analog Output	420 mA Flow O2 / Temp O1		
Response Time	15 s		
Short Circuit Protection	yes yes		
Reverse Polarity Protection			
Protection Class	III		
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	Cutting/locking ring		
Process Connection Length (PCL)	59 mm		
Probe Length (PL)	50 mm		
Safety-relevant Data			
MTTFd (EN ISO 13849-1)	1210,41 a		
Diagnostic Coverage (DC)	0 %		
Service Life TM (EN ISO 13849-1)	20 a		
Analog output flow	•		
Analog output how Analog output temperature			
	444		
Connection Diagram No.	141		
Suitable Connection Technology No.	21		
Suitable Mounting Technology No.	907 908		

* Tested by wenglor

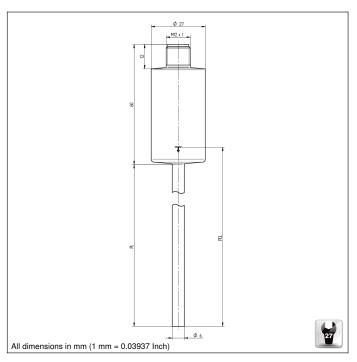
Complementary Products

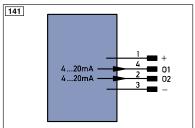
Software

ZH6C00x Adapter to G1/4"

^{**} 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 a use under 0 °C must be tested individually for the mixture used.







egen	nd	PT	Platinum measuring resistor	ENA	Encoder A
+	Supply Voltage +	nc	not connected	ENB	Encoder B
-	Supply Voltage 0 V	U	Test Input	Amin	Digital output MIN
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted	Амах	Digital output MAX
Α	Switching Output (NO)	W	Trigger Input	Аок	Digital output OK
Ā	Switching Output (NC)	0	Analog Output	SY In	Synchronization In
V	Contamination/Error Output (NO)	0-	Ground for the Analog Output	SY OUT	
V	Contamination/Error Output (NC)	BZ	Block Discharge	OLT	Brightness output
E	Input (analog or digital)	Awv	Valve Output	М	Maintenance
Т	Teach Input	а	Valve Control Output +	rsv	reserved
Z	Time Delay (activation)	b	Valve Control Output 0 V		
S	Shielding	SY	Synchronization	Wire Colors according to	
RxD	Interface Receive Path	E+	Receiver-Line	DIN IEC 757	
TxD	Interface Send Path	S+	Emitter-Line	BK	Black
RDY	Ready	±	Grounding	BN	Brown
GND	Ground	SnR	Switching Distance Reduction	RD	Red
CL	Clock	Rx+/-	Ethernet Receive Path	OG	Orange
E/A	Output/Input programmable	Tx+/-	Ethernet Send Path	YE	Yellow
0	IO-Link	Bus	Interfaces-Bus A(+)/B(-)	GN	Green
PoE	Power over Ethernet	La	Emitted Light disengageable	BU	Blue
IN	Safety Input	Mag	Magnet activation	VT	Violet
OSSD	Safety Output	RES	Input confirmation	GY	Grey
Signal	Signal Output	EDM	Contactor Monitoring	WH	White
	- Ethernet Gigabit bidirect. data line (A-D)	ENARS422	Encoder A/Ā (TTL)	PK	Pink
	2 Encoder 0-pulse 0-0 (TTL)		Encoder B/B (TTL)	GNYE	Green/Yellow







