Temperature Sensor

FXDD106 Part Number

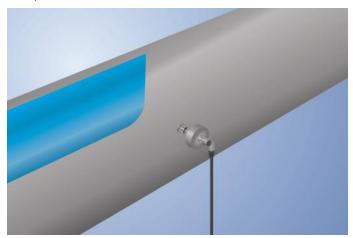
weFlux² InoxSens

Sensor-specific data						
Sensor element	PT1000, Class B					
Temperature Measurement Range	Measurement Range -50200 °C					
Medium	Liquids, gases					
Response Time	< 2 s					
Environmental conditions						
Temperature of medium	-50200 °C					
Ambient temperature	-2580 °C					
Storage temperature	-2580 °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 1/2"					
Process Connection Length (PCL)	54 mm					
Probe Length (PL)	13,5 mm					
PT1000						
Connection Diagram No.	140					
Suitable Connection Technology No.	21					
Suitable Mounting Technology No.	903					
* Tested by wenglor						

Technical Data

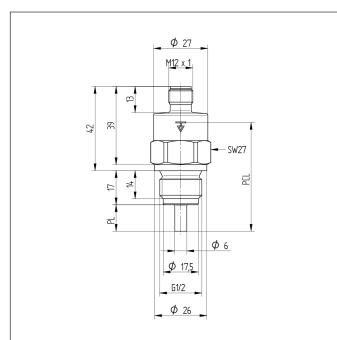
- FDA compliant
- Response time T90: < 2 seconds
- Robust stainless steel housing with IP69K
- Temperature measuring range: -50 ... +200° C

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-toclean surface. Thanks to their rugged housing and functional design, the Temperature Sensors are FDA compliant.

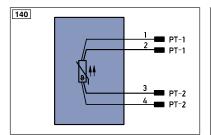


Complementary Products Seal G1/2" ZH5G002





All dimensions in mm (1 mm = 0.03937 Inch)



Legend DT Distinum measuring resistor ENA Encoder A						
		PT	Platinum measuring resistor	ENA	Encoder A	
+	Supply Voltage +	nc	not connected	ENв	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	
А	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	Synchronization 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 +			
Z	Time Delay (activation)	b	Valve Control Output 0 V			
S	Shielding	SY	Synchronization		Colors according to	
RxD	Interface Receive Path	E+	Receiver-Line	DIN IE	C 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	
۲	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		EDM	Contactor Monitoring	WH	White	
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	ENARS422	Encoder A/Ā (TTL)	PK	Pink	
	Encoder 0-pulse 0-0 (TTL)		Encoder B/B (TTL)	GNYE	Green/Yellow	

