Temperature Sensor

FXDD102

Part Number



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

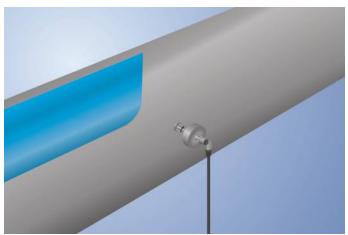
Technical Data

recinited Data	
Sensor-specific data	
Sensor element	PT1000, Class B
Temperature 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	Cutting/locking ring
Process Connection Length (PCL)	109 mm
Probe Length (PL)	100 mm
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	31062,7 a
PT1000	•
Connection Diagram No.	140
Suitable Connection Technology No.	21
Suitable Mounting Technology No.	907 908

weFlux² InoxSens

* Tested by wenglor

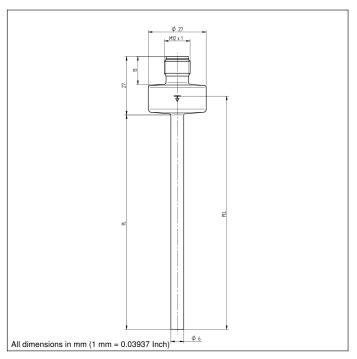
weFlux² Temperature Sensors ensure precise temperature measurement of liquids and gases in closed piping systems. It's easy to incorporate the standardized PT100/PT1000 resistance value into the controller. The compact housing with a diameter of just 27 mm is made of V4A stainless steel and features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

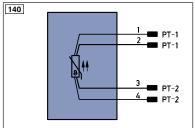


Complementary Products

ZH6C00x adapter to G1/4"







.egen	а		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	
A	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	
T	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	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		White	
31_D+/-	Ethernet Gigabit bidirect. data	line (A-D)	ENARS422	Encoder A/Ā (TTL)	PK	Pink	
No R5422	Encoder 0-pulse 0-0 (TTL)		ENBRS422	Encoder B/B (TTL)	GNYE	Green/Yellow	











