

Temperature Sensor

FFXT043

Part Number

InoxSens UniTemp

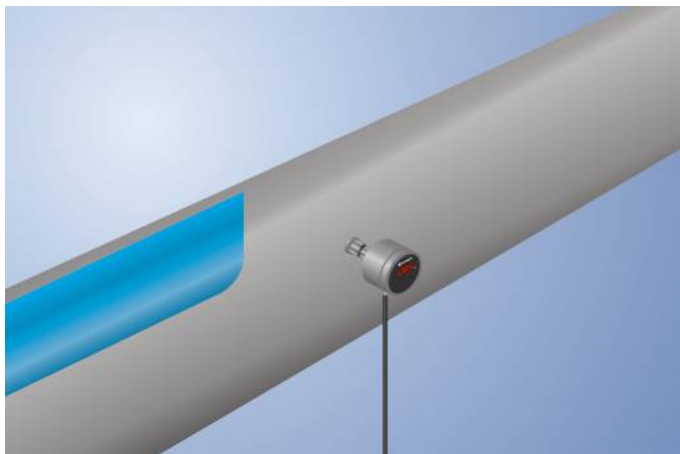


- FDA compliant
- Hygienic design makes it easy to clean
- Robust stainless steel housing with IP69K
- Simple operation via the display
- Temperature range: 0...200 °C available

UniTemp temperature sensors measure the temperature of liquid or gaseous media and facilitate the temperature monitoring of processes.

UniTemp temperature sensors are very easy to operate thanks to the removable cover on the integrated display. The highly visible switching status display enables the rapid localization of affected sensors for maintenance processes.

Thanks to the metallic sealing edge on the process connection, no further seals are required.



Technical Data

Sensor-specific data

Temperature Measurement Range	0...200 °C
Setting Range	2...199 °C
Medium	Liquids, gases
Measuring error	± 1 °C
Resolution	1 °C
Switching Hysteresis	2 °C
Response Time	10...20 s

Environmental conditions

Temperature of medium	0...200 °C
Ambient temperature	-20...80 °C
Pressure Resistance	60 bar
EMC	DIN EN 61326-2-3
Shock resistance per DIN IEC 68-2-27	30 g / 11 ms
Vibration resistance per DIN IEC 60068-2-6	20 g (10...2000 Hz)

Electrical Data

Supply Voltage	16...32 V DC
Current Consumption (U _b = 24 V)	60 mA
Number of Switching Outputs	1
Switching Output/Switching Current	< 250 mA
Switching Output Voltage Drop	< 2 V
Analog Output	0...10 V
Signal source	Temperature
Load Current Voltage Output	< 20 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Protection Class	III

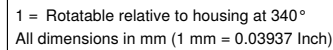
Mechanical Data

Setting Method	Menu
Housing Material	1.4404; PC; EPDM
Material Control Panel	Polyester
Material in contact with media	1.4435; 1.4404
Degree of Protection	IP67/IP69K *
Connection	M12 × 1; 4-pin
Process Connection	Compression ring 110 mm
Process Connection Length (PCL)	125 mm
Probe Length (PL)	110 mm

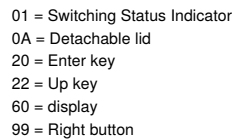
Safety-relevant Data

MTTFd (EN ISO 13849-1)	1194,55 a
Analog Output	●
PNP NO	●
Connection Diagram No.	534
Control Panel No.	A11
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	907 908

* Certified by wenglor



A11



Legend