

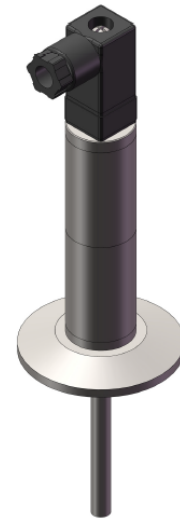
TAF - Sanitary Temperature Transmitter

- ▶ **Economical product**
- ▶ **Measuring range -50C...200C**
- ▶ **Compact structure**
- ▶ **All stainless steel case**
- ▶ **Sanitary chuck connection**
- ▶ **Intrinsic safety is optional**

Describe

TAF Sanitary Type Temperature Transmitter for measuring -50... +200 °C [-58... +392 °F] (without cervical tube) and -50... +200 °C [-58.. +392 °F] (with neck tube) in liquid and gaseous media. They can be used at pressures up to 25 bar [363 psi] with protective tube diameter of 6 mm [0.24 in].

The device is designed and manufactured for use with chuck connections in the sanitary beverage and food industries. The TAF sanitary temperature transmitter consists of a protective tube with a chuck connection. It is designed to withstand impact and vibration, and all electrical components are protected against moisture (IP67). Vibration resistance conforms to IEC 60751 (20 g). The impact resistance of all versions complies with IEC 60751. Ensure that the mechanical load on the connector is kept to a minimum, especially if the ambient temperature rises or the vibration load is strong. Electrical connection M12x1 circular connector, mini solenoid valve optional.



RoHS

Applications

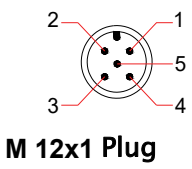
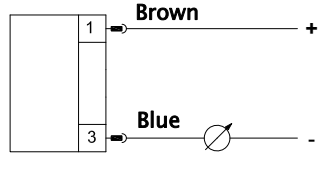
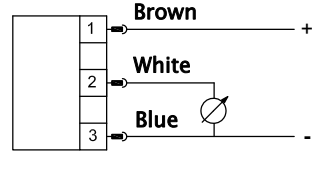
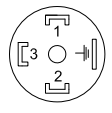
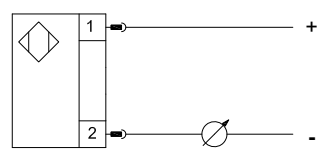
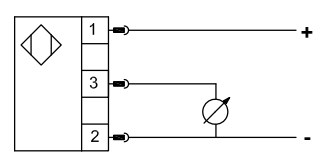
- ▶ **Food industry**
- ▶ **Brewing industry**
- ▶ **Pharmaceutical industry**

Specifications

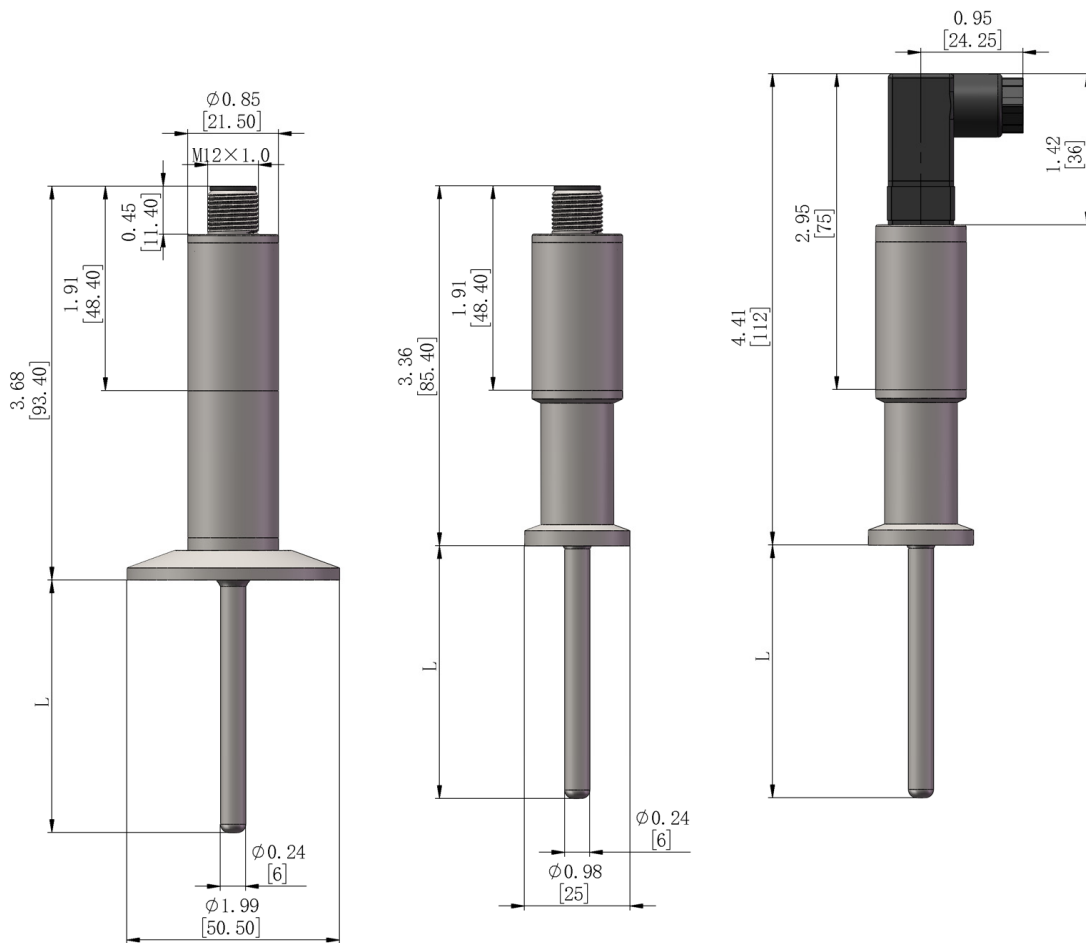
Power Supply	12...30Vdc
No load current consumption	≤4mA@24Vdc
Current Analog Output	
Output	2-wire 4...20mA
Load RA (Ω)	*RA ≤ (U+ - 10 V) / 0.02 A
Current Analog Output	
Output	3-wire 0...20mA, 4...20mA
Load RA (Ω)	*RA ≤ (U+ - 3V) / 0.02 A
Voltage Analog Output	
Output	3-wire 0.5...4.5V, 0...5V, 1...5V, 0...10V
Load RA (Ω)	RA > 10KΩ
Wiring Protection	Reverse polarity, overvoltage and short-circuit
Accuracy	≤±0.5% of F.S. ±0.25% of F.S.optional
Stability (Drift/Year)	≤±0.1% of F.S.
Temperature	
Medium	-50...+200°C
Ambient	-20...+85°C
Material	
Housing	304 stainless steel
Wetted Parts	316 stainless steel
Protection Class	IP67
Process Connection	50.5mm chuck
Electrical Connection	M12×1 plug, Solenoid valves

*U+ : Power supply +

Wiring

Wiring	2-wire 4...20mA Output	3-wire 0...20mA, 4...20mA, 0.5...4.5V, 0...5V, 1...5V, 0...10V Output
 <p>M 12x1 Plug</p>		
 <p>Solenoid plug</p>		

Inches (mm)



Model Number

OrderNO.	Output type	Process connection	Temperature °C	Rod Length (cm)
TAF	X	X	X	XX
	0 : M12 2-wire 4-20mA	0 : 25.4 chuck	0 : -50-100	Rod Length
	1 : M12 3-wire 4-20mA	1 : 50.5 chuck	1 : -50-150	
	2 : M12 0-5V	2 : Sanitary thread	2 : -50- 200	
	3 : M12 1-5V		3 : 0- 100	
	4 : M12 0-10V		4 : 0- 150	
	5 : Solenoid valves 2-wire 4-20mA		5 : 0- 200	
	6 : Solenoid valves 3-wire 4-20mA		6 : -10- 150	
	7 : Solenoid valves 0-5V			
	8 : Solenoid valves 1-5V			
	9 : Solenoid valves 0-10V			

TEMPERATURE