



UTB4 Explosive-Proof Temperature Transmitter

Description

UTB4 temperature transmitter is composed of temperature sensor, compensated electric circuit and switching circuit. It features stable performance, high sensitivity, good reliability.

UTB4 has entire welding structure and high strength outer housing, it is widely used for temperature measurement and control in many automatic temperature measurement & control systems such as petroleum machinery, chemical machinery, pump and compressor, electric power, boiler, natural gas etc.

Features

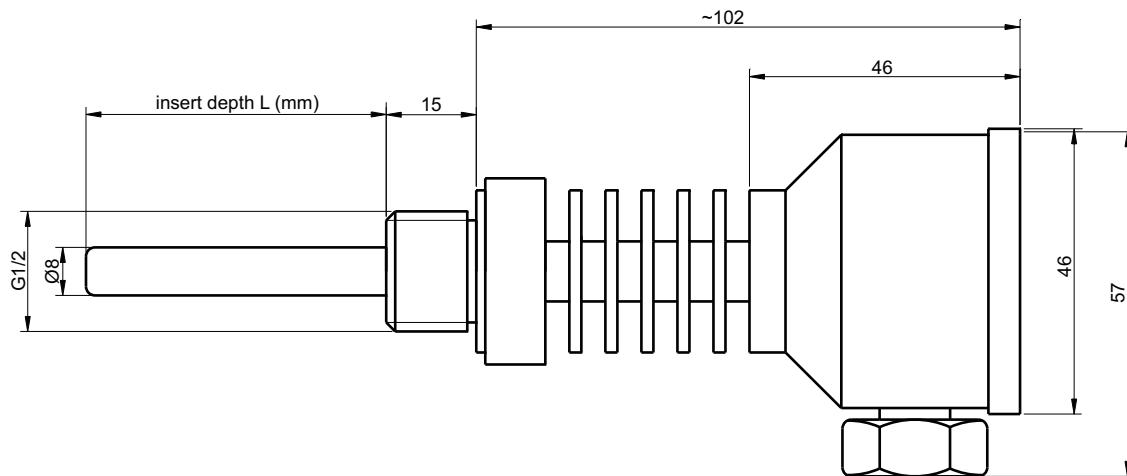
- Anti-vibration, good stability and high accuracy
- High strength stainless steel housing, anti-impact, withstand high pressure
- Many kinds of connection modes, many kinds of output signal
- Explosion-proof: Exd II Ct4 (flame-proof)
- Many kinds of structures available, can be made as customer's request



Specifications

measuring media	gas or liquids compatible stainless steel
measuring range	-50~+300°C
output signal	4~20mA, 1~5V
accuracy	0.5%FS(standard), 1%FS
ambient temperature range	-40~+85°C
relative humidity	5%~95%
allowed deviation Δ °C	class A ($0.15+0.002 t $)
long-term stability	<0.15%FS/year
thermal response time	<30S
insulation resistance	100MΩ@100VDC
leak-through current	\leqslant 5mA
explosive-proof	ExialIIBT4, ExdIIBT4

Dimensions





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Ordering code

UTB4						
		code (X1~X2)	measuring range -50~300°C (X1,X2 is lower limit and higher limit of measuring temperature respectively)			
			code	output signal		
			O1	4~20mA		
			O2	0~5V		
			Oz	custom request		
				code	process connection	
				T0	fixed thread	
				T1	fixed flange	
				T2	movable thread	
				T3	movable flange	
				Tz	customer request	
					code	other functions
					T0	PVC cable
					T1	hirschmann connector
					T2	aviation connector
					E0	not explosive-proof
					E1	flame proof Exd II CT6
					E2	intrinsic safety Exia II CT6
					T	customer request
						insert depth L(mm)
UTB4	0~200°C	O1	T0(G1/2)	P2	80	

*: please indicate if you have special requests when ordering.