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.
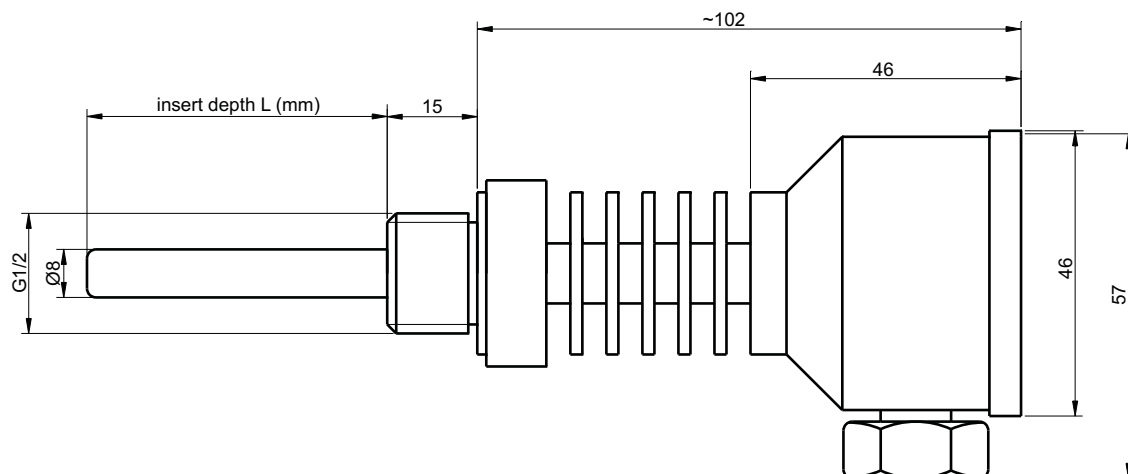
Features

- 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 compatable stainless steel
measuring range	-50~+300℃
output signal	4~20mA, 1~5V
accuracy	0. 5%FS(standard), 1%FS
ambient temperature range	-40~+85℃
relative humdity	5%~95%
allowed deviation △℃	class A (0.15+0.002|t|)
long-term stability	<0.15%FS/year
thermal response time	<30S
insulation resistance	100MΩ@100VDC
let-through current	≤5mA
explosive-proof	ExiaIIBT4,ExdIIBT4

Dimensions

Ordering code

UTB4							
		code	measuring range				
		(X1~X2)	-50~300℃ (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℃	O1	T0(G1/2)	P2	80		

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