

## 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

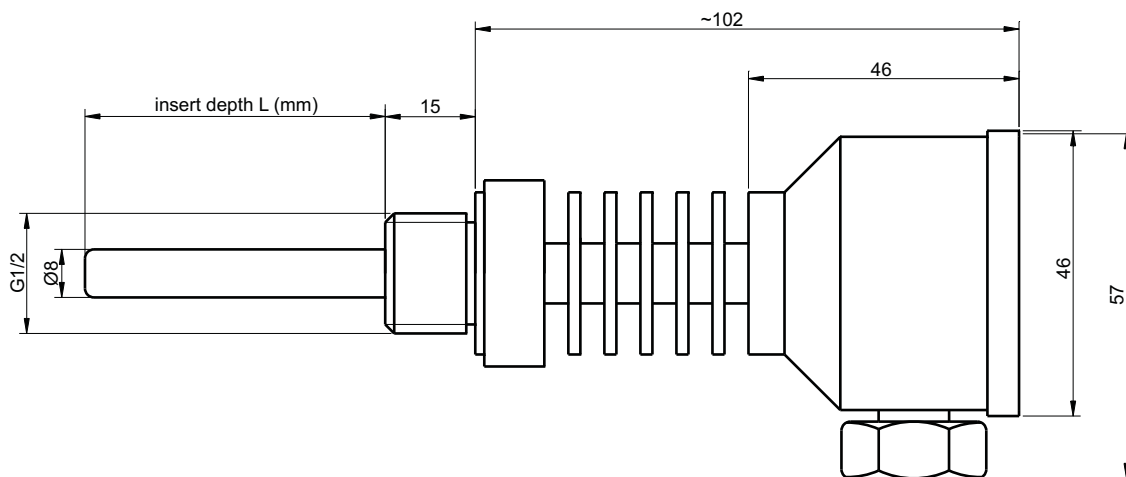
- Anti-vibration, good stability and high accuracy
- High strength stainless steel housing, anti-impact, withstand high pressure
- Many kinds of connection modes, many kinds of output signal
- Explosion-proof: Exd II Ct4 (flame-proof)
- Many kinds of structures available, can be made as customer's request



## 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 $\Delta$ °C	class A (0.15+0.002 t )
long-term stability	<0.15%FS/year
thermal response time	<30S
insulation resistance	100M $\Omega$ @100VDC
let-through current	$\leq$ 5mA
explosive-proof	ExialIBT4, ExdIIBT4

## Dimensions



## Ordering code

UTB4						
code		measuring range				
(X1~X2)		-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.