

## Description

UTI6 digital temperature transmitter is made by using quality temperature sensing elements. This product is featured with good performance, long service life, high measuring accuracy, good long term stability and little maintenance. UTI6 digital temperature transmitter can be expanded to many communication interfaces based on its standard analogue signal, it is an ideal replacement for general temperature transmitters.



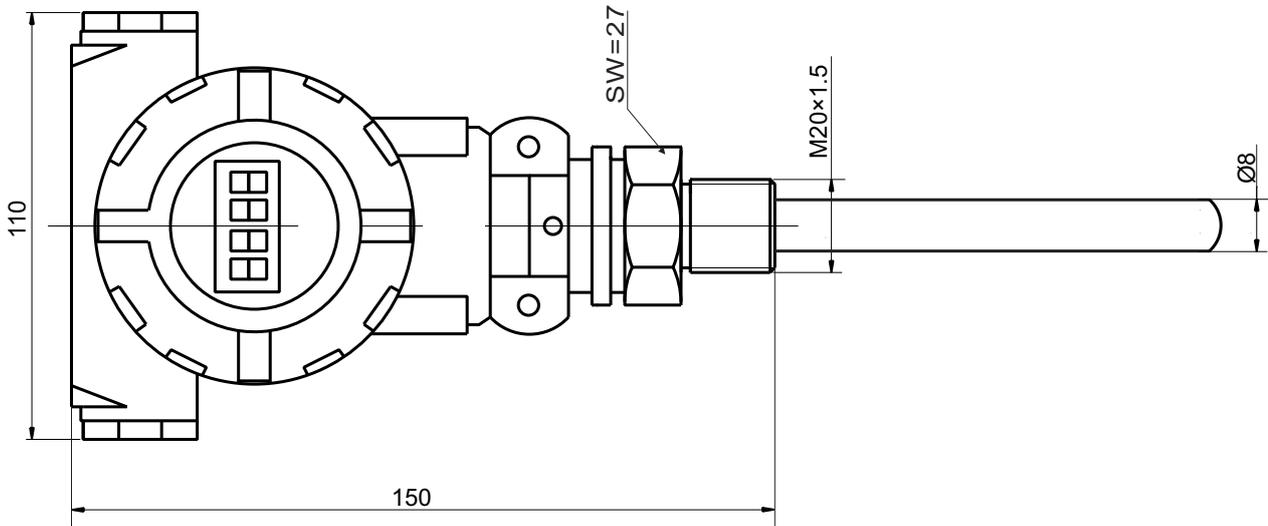
## Features

- Have RS485 communication and 4~20mA outputs simultaneously
- Output current resolution reaches 3  $\mu$  A
- Rangeability: not exceeding 3: 1
- Main line supports 255 sets of RS485 equipments
- Anti-radio-frequency interference technology, perfectly matching digital transmission broadcasting station long-distance monitoring
- Anti-lightning technology, guaranteed trouble-free service
- Epoxy resin sealed structure, shock resistance, heat resistance, suitable for installation and use in bad environments.
- Adopting compression spring structure, guarantees temperature sensing element to contact the measured part completely. Having quick temperature response, to reflect the real value of the measured temperature.
- Aluminum alloy housing, shock resistant, flame proof

## Specifications

measuring medium	gas or liquids compatible to stainless steel
temperature ranges	thermocouple: E: 0~750°C; K: 0~1200°C; S: 0~1300°C; B: 0~1600°C thermoresistor: PT100: -200~500°C
insert depth	50mm~2500mm(as customer's request)
output signal	4~20mA
accuracy	0.25%FS, 0.5%FS
communication	RS485, RS232(MODBUS protocol)
long-term stability	<0.15%FS/year
supply voltage	10~30V DC
display	4-digit LCD display
operating temperature range	-30~+60°C
insulation resistance	100M $\Omega$ @500VDC
explosive-proof	Exia II BT4, Exd II BT4
temperature coefficient of span	0.2%FS/10°C
process connection	M20×1.5 (male) or others
electrical connection	M20×1.5 (female)

## Electrical connection



## Ordering code

UTI6	
code	measuring range
E	0~750°C
K	0~1200°C
S	0~1300°C
B	0~1600°C
Pt100	-200~500°C
code	output
O	4~20mA with MODBUS protocol
M	only MODBUS protocol
code	accuracy
C	0.25%FS
D	0.5%FS
code	process connection
P0	M20×1.5
P1	M27×2
P2	individed type
P3	flange type
Pz	customer request
	insert depth L (mm)
UTI6	Pt100 0~200°C O D P2 80