

Integrated Temperature Transmitter

Model: ATT-202B

Introduction

ATT-202B temperature transmitter consists of Pt100 temperature sensor, compensation circuit and switching circuits. It features high stability, temperature sensitivity and reliability. The integrated structure and all-welded design ensure easy installation in most field applications. ATT-202B is suitable for liquid and gas temperature monitor and measurement in industrial process control system.



Main specifications

- ▼ **Process connection**
M16x1.5 /
M20x1.5 /
M27x2 /
Material: stainless steel
Other specifications are available, please specify
- ▼ **Electrical connection**
Hirschmann connector /
Cable outlet /
Hirschmann connector with LCD display unit
Aviation plug
- ▼ **Hex nut**
SW24 / SW27 / SW32
- ▼ **Temperature range**
-50 to 600°C
- ▼ **Stem insertion length**
Customized length
- ▼ **Stem outer diameter**
Ø8mm
- ▼ **Ambient temperature**
-40 to 85°C
- ▼ **Ambient humidity**
0~95%RH
- ▼ **Vibration resistance**
f≤55Hz,
amplitude <0.15mm
- ▼ **Protection level**
IP65
IP68 (option)
- ▼ **Explosion-proof class**
Exia II CT6

Other Specifications

- ▼ **Case**
Stainless steel
- ▼ **Measuring elements**
Pt 100
Pt 1000 (option)
- ▼ **Accuracy**
0.5% / 0.3% / 0.1%
- ▼ **Temperature response time**
≤30s
- ▼ **Power supply**
24VDC (Option: 12VDC)
- ▼ **Output signal**
4-20mA / 1~5V / 0~5V
- ▼ **Load resistance**
100MΩ/250VDC
- ▼ **Power consumption**
<0.5W
- ▼ **Temperature drift**
±0.2%F.S./°C
- ▼ **Stability**
≤0.2% F.S./year
- ▼ **Cooling fin (option)**
If temperature range over 100°C must install a cooling fin, refer to temperature range and cooling fin length table

Temperature range and cooling fin length table

Temperature range (°C)	Cooling fin length (mm)
100-150°C	20
150-250°C	40
250-350°C	60
350-600°C	≥100

Process connection specification table

Process connection	Thread length (mm)	Hex
M16x1.5	15	SW24
M20x1.5	15	SW27
M27x2	20	SW32

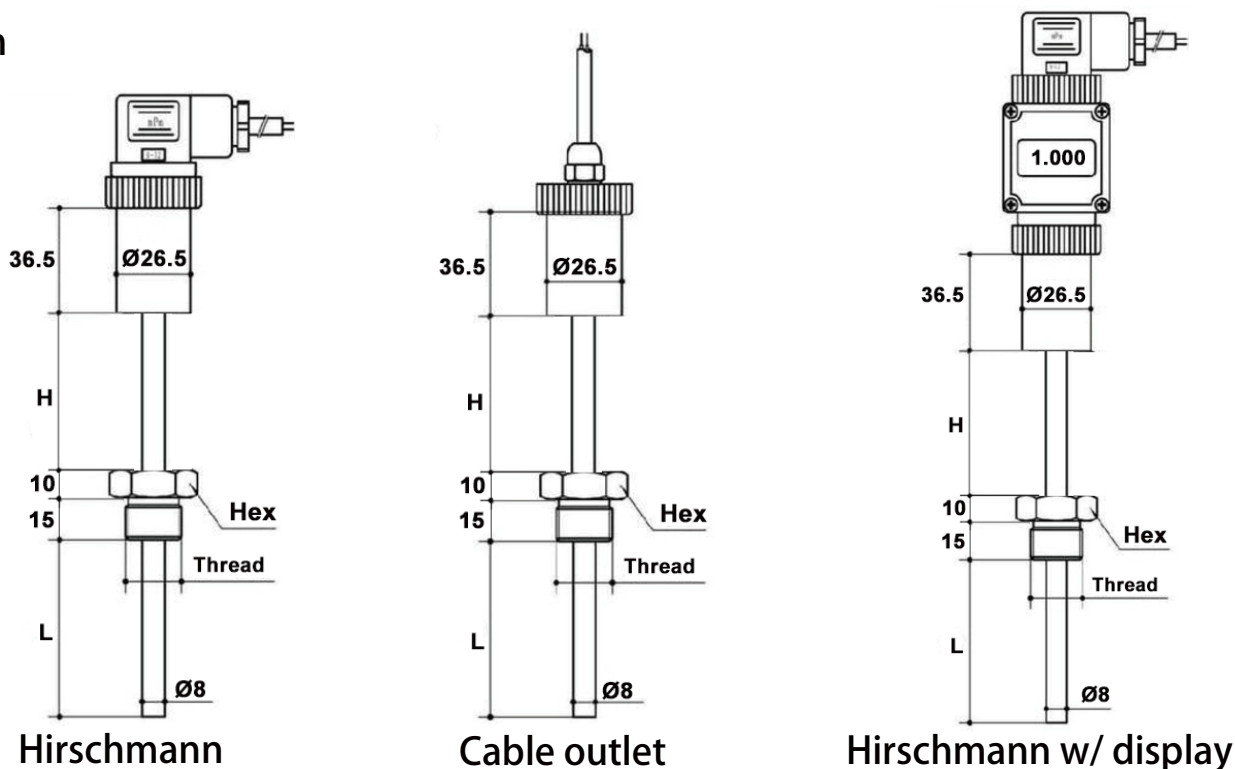


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- Temperature sensor adopts Pt100 or Pt1000 (option)
- Integrated structure, all-welded design
- Fast response to ambient temperature change
- High anti-interference and reliability
- Various connection types and output signal types
- Explosion-proof class Exia II CT6
- Customized stem insertion length
- Install a cooling fin to use in high temperature environment (option)

Dimension



Note:

(1) All unit in mm (2) L-Insertion length (3) H-Cooling fin length

How to order

ATT-202B		Integrated Temperature Transmitter					
Code	Temperature range						
Custom	-50 to 600°C (temperature higher than 100°C should install a cooling fin)						
Code	Process connection						
C1	M20x1.5						
C2	M16x1.5						
C3	M27x2						
O	Other (please specify)						
Code	Electrical connection						
E1	Hirschmann connector						
E2	Cable outlet						
E3	Hirschmann connector with LCD display						
E4	Aviation plug						
Code	Output signal						
B1	4~20mA						
B2	1~5V						
B3	0~5V						
Code	Stem insertion length						
Custom	Please specify						
Code	Accuracy						
P1	0.1%						
P2	0.3%						
P3	0.5%						
Code	Other requests						
/A	Third party notarized document						
/B	Inspection report (issued by Re-Atlantis)						
/C	Tag						
/D	Cooling fin						
/E	Power supply - 12V						
/F	Specify stem outer diameter length						
/G	Temperature sensor - Pt1000						
/H	Adjustable threaded rods structure						
ATT-202B	0~100°C	C1	E1	B1	20mm	P3	Order example: ATT-202B-0~100°C-C1-E1-B1-20mm-P3