Main Specifications

▼Connection specification
DN20 PN10 flange
PN30 threaded flange
DN20 PN2.5 flange
Fixed female thread M16x1.5
Fixed thread M16x1.5
Fixed thread M27x2
▼Cable inlet thread
G1/2"
▼Temp. measurement range
-200~1800℃
▼Output signal
4-20mA
▼Operating temperature
Explosion-proof type / with
display: -20 ~ 50℃
General / without display:
-40 ~ 60℃
▼Ambient humidity
5- 95 %RH
▼Protection level
IP65
▼Explosion-proof level
(Option)
Exia II CT4-T6 /
Exd II BT4- T6

Other Specifications

▼Case material
Die casting aluminum
▼Screen display
LCD screen display
▼Digital display (Option)
RS485 Modbus /
4-20mA + HART
▼Measuring elements
Thermocouple /
thermal resistance
▼Sensor accuracy
±0.75% (Thermocouple)
±0.15+0.2%
(Thermal resistance)
▼Power supply
Standard: 24VDC
Option: 18~36VDC
▼Output load
0-550 Ω (@24V)
▼Error value
0.2% (Circuit signal conversion)
0.5%
(Head reading display error)
▼Other requests (Option)
Third party notarized
documents
Inspection report
Tag
RS485 output
4-20mA+HART output
Intrinsic safety explosion:
Exia II CT4-T6
Flameproof level:
Exd II BT4- T6

Integrated Digital Explosion-proof Smart Temperature Transmitter
Model: STT-WBS
Introduction

STT-WBS adopts thermocouple / thermal resistance as measuring elements, combined with a special circuit to convert the temperature signal of the measuring element into a standard signal output without compensation cable. It is suitable to connect with various instruments and computer system and display reading value on site.
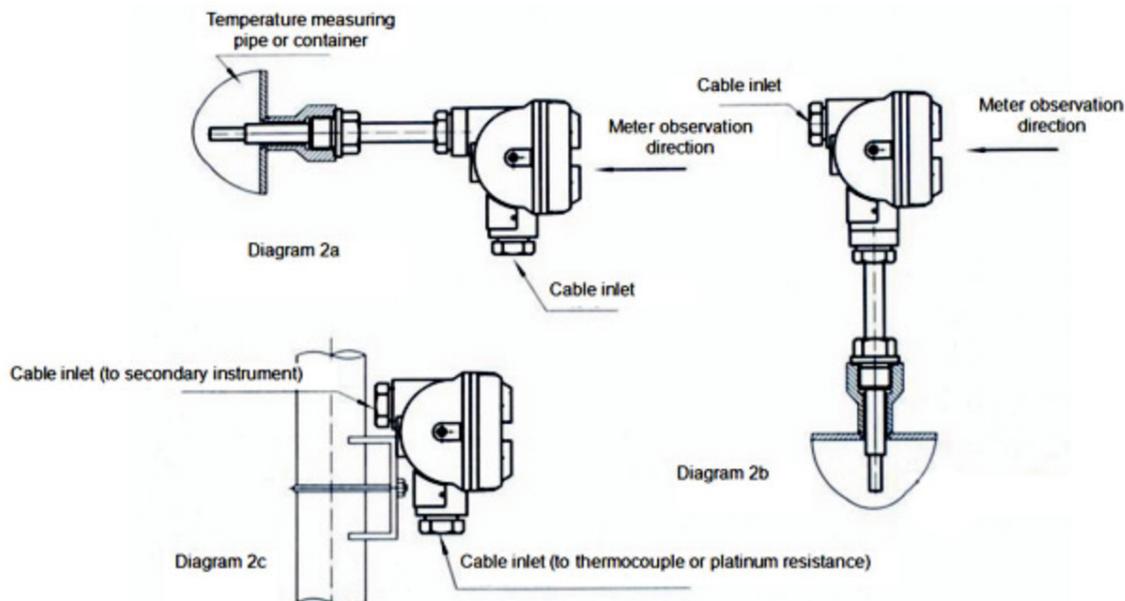

Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

■ Adopts thermocouple / thermal resistance as measuring elements, wide temperature range
■ It generates linear 4-20mA output with temperature measurement
■ Shock and corrosion resistance
■ High accuracy and high stability
■ Anti-lightning, anti-RFI
■ 360° rotatable LCD display head available
■ RS485 output or 4-20mA&HART output are available
■ Protection level: IP65, suitable for outdoor installation
■ Explosion-proof level: Exia II CT4-T6, Exd II BT4- T6 (Option)

Side view

Back view

Installation type

Typical installation mode

How to order

STT-WBS	Integrated Digital Explosion-proof Smart Temperature Transmitter				
	Code	Measuring elements			
	TC	Thermocouple			
	RTD	Thermal resistance			
		Code	Temperature range		
		Custom	-200~1800℃		
			Code	Connection	
			A	DN20 PN10 flange	
			B	PN30 threaded flange	
			C	DN20 PN2.5 flange	
			D	Fixed female thread M16x1.5	
			E	Fixed thread M16x1.5	
			F	Fixed thread M27x2	
				Code	Display head
				N	No
				Y	Yes
STT-WBS	RTD	0~850℃	E	Y	Order example: STT-WBS-RTD-(0~850℃)-E-Y