

## Integrated temperature transmitter

### Application

It can measure the gas and liquid .It can used for the application, like water supply system ,hydraulic, pneumatic system, cooling system ,heating system ,air conditioning system and automation engineering etc..

### Technical data

Range:-50-0 , -50-50 ,0 -50 ,0 -80 ,0 -100 ,0-120 ,0-150 ,0-200

Linearity: <0.1%

Accuracy:  $\pm 0.2K + 0.2\%FS$

Resolution: 0.1K

Pressure proof: ?6type probe 40 bar ,?8 type probe 100 bar

Temperature effect: 0,1 K / 10 K

Response time:  $t_{50} , 2.3 s / t_{90} , 5.4S$

Working voltage: 12...30Vdc

Unload current: 4 -20mA, Signal current:0-10Vtype : 8mA

Simulation overload resistance : 4...20mA type:500 0...10V Type: 5K

Electric protection: Reverse polarity , overload

Sensor: PT100

Environment temperature: -25...80

Protective class: IP65

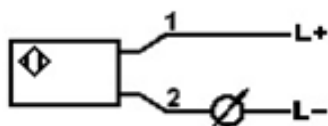
Housing material: stainless steel

Wetted part material : stainless steel 1.4571

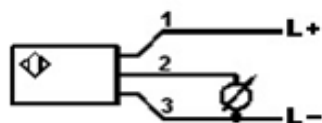
Electric connection: terminal connection



### Wiring

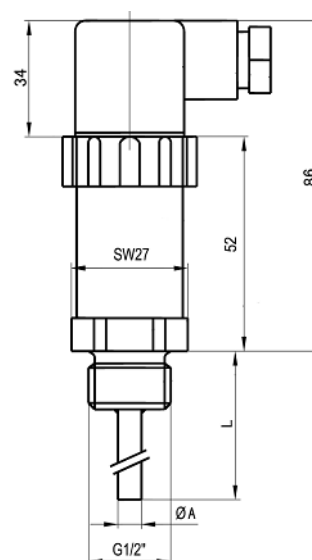


4...20mA



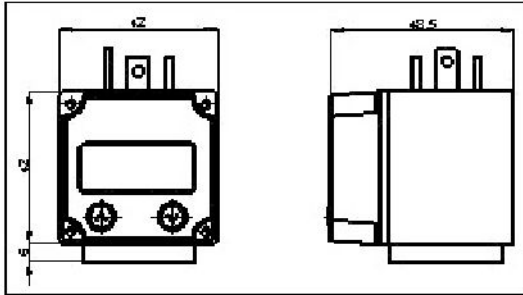
0...10V

### Dimension



Note: Please check the type selection tablet for A, L

Optional accessories - DD01 di mensi on



Optional accessories - DD01

The display unit DD01: This unit can match the ST series temperature transmitter with 4-20Ma to use it . The function is display the temperature directly , also it can set the switch signal output according to set value( the function is option , it should mention it before ordering)

### Feature

Display physics value: -1.9.9.9--9.9.9.9

Pressure drop less than :4.5V, 3mA

Can choose 2 channels switch signal output (optical coupling output), the switch signal can set .

The key-pressure is programmable. Can set : Zero/Full scale/decimal/damping time/switch alarm/normally open and normally close output

LED display , can read it under the dark situation .

Suit for all kinds of 2-wire transmitter. Do not need power

### DD01 Type selection tablet

DD01	A	Description
DD01		4...20mA Local display
	A	4...20mA Output
	Y	1 channel switch signal output
	L	2 channels switch signal output



**Type selection tablet**

CXST40-	/0-100	M14	/6	/25	M	Description
CXST40-						PT100 temperature sensor
	/50-0					Range : -50...0 (can customize it)
	/50-50					Range : -50...50 (can customize it)
	/0-50					Range : 0...50 (can customize it)
	/0-80					Range : 0...80 (can customize it)
	/0-100					Range : 0...100 (can customize it)
	/0-120					Range : 0...120 (can customize it)
	/0-150					Range : 0...150 (can customize it)
	/0-200					Range : 0...200 (can customize it)
		M14				Analog output: 4...20mA
		/V0				Analog output: 0...10V
			/6			Probe diameter Ø6
			/8			Probe diameter Ø8
				/25		Probe length L is 25mm
				/50		Probe length L is 50mm
				/75		Probe length L is 75mm
				/100		Probe length L is 100mm
					M	M Male screw

Optional accessories 2--DF001 digit control meter

Display control meter CXDF001: This display control meter match the CXST40 series PT100 temperature sensor to use it . The function is that can display and control the temperature . And it can have alarm output signal according to the set value .

Feature:

4-digit LED display

Input standard: J , K , S , T , E , B , R , N , C , DIN-PT100 , JIE -PT100 , 4~20mA , 0~50mV , 1~5V , 0~10V

Control: P control:0.0~300.0% F.S,1 , PD control: proportional band0.0~300.0% F.S1 Differential coefficient:0~900 sec1 , ON / OFF Control: delay range 0~2000

Sampling period: 0.5 s

Working temperature: 0 ...50

Humidity: 90%





CXDF001 Type selection tablet

CXDF001-	-	M	L	A	R1	C4	T	Description
CXST40-								Display control meterCXDF001
		Z						Outline 96 × 96(square)
		H						Outline 96 × 48(Horizontal type)
			L					Input: linearity signal
			P					Input: RTD
			T					Input: Thermocouple
				A				Main Output: 4...20mA
				B				Main Output: fixed relay trigger output
					O			No assistant output
					Q1			Assistant output :one channel relay alarm
					Q2			Assistant output :two channels relay alarm
					Q3			Assistant output :three channels relay alarm
						O		No communication output
						R2		RS232
						R4		RS485
							D	DC 24 ± 10%
							T	AC 90...260V