

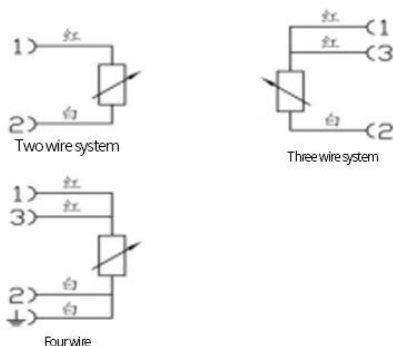
A



B



wiring diagram



## principle and characteristics

The T300 contains a PT100 probe, PT100 resistance will change with temperature, the T300 is available in two wire, three wire, four wire several specifications.

Simple installation, a variety of range optional, a variety of specifications probe optional, stainless steel housing, compact and firm structure. And can be equipped with field instrument and cabinet type control table.

## product application

It can be used in water supply system, hydraulic system, pneumatic system, cooling system, heating system, air conditioning system, automation engineering, etc.

## technical specification

- ◆ Measuring range:  $-50^{\circ}\text{C} \dots 200^{\circ}\text{C}$  (user-defined)
- ◆ Linear degree:  $< 0.1\%$
- ◆ Accuracy:  $\pm 0.2\text{K} + 0.2\%$  full scale
- ◆ Resolution:  $0.1\text{K}$
- ◆ Pressure:  $\Phi 6$  type: probe 400bar,  $\Phi 8$  type: probe 100bar
- ◆ Temperature effect:  $0.1\text{K}/10\text{K}$
- ◆ Response time: 2.3 seconds
- ◆ Working voltage:  $12 \dots 30\text{Vdc}$
- ◆ Electrical protection: anti-pole, overload protection
- ◆ Sensor: PT100
- ◆ Ambient temperature:  $-25 \dots 80^{\circ}\text{C}$
- ◆ Protection grade: IP65
- ◆ Shell material: 304 stainless steel
- ◆ Contact part material: 304 stainless steel
- ◆ Electrical connection: Hersman /M12\*1 connector

Selection table

T300-	1	A	M	D1	K	G4	B	specification
T300-								T300 series PT100 temperature sensor
	1							Type A
	2							Type B
		A						Probe length L 25mm (without thread)
		B						Probe length L 50mm (without thread)
		C						Probe length L is 75mm (without thread)
		D						Probe length L is 100mm (without thread)
		L...						Custom probe length L= mm (without thread)
			H					RA
				D1				The probe diameter is $\Phi 6$
				D2				The probe diameter is $\Phi 8$
				D12				Custom probe, for example diameter $\Phi 12$
					K			Jacket connection (optional)
						G4		Threaded interface G1/4
						G2		Threaded interface G1/2
						M2		Threaded interface M20*1.5
								Custom thread
							A	Connector type M12*1 (standard with
							B	Hersman joint
							C	Direct line

\* The selection table is only available for parameter selection, and the corresponding code is delivered.

dimension figure

