TEMPERATURE TRANSMITTER WD04

Product overview

The WD04 series temperature converter can directly measure the temperature of all kinds of liquid, gas and solid surface. Using special temperature module, the temperature sensing element is linearly modified, and the standard analog signal and digital signal are output. The products are easy to use, and the structure and output forms are diverse, which can meet the temperature measurement requirements of various fields in petroleum, chemical industry, metallurgy, power station, light industry, shipbuilding and other fields.

Features

- Can output current or digital signal, save compensation wire, strong anti-interference ability
- Safe and reliable, long service life
- With linearization function, thermocouple transmitter with automatic cold end compensation function
- Smart HART protocol, RS485 protocol and other optional

Specifications

Type	WD04
Measuring Medium	Gas, Liquid, Steam, solidity
Range	-200℃~ 600℃(resistance sensor), 0℃~ 1700℃(couple sensor)
Accuracy	±0.25%F.S, ±0.5%F.S, ±1.0% F.S (determined by the selected index and measuring range)
Power	12~30VDC
Output	4~20mA，1~5V, etc
Communication protocol	HART protocol, RS458 protocol, etc
Protective tube diameter	Φ3, Φ3, Φ6, Φ12, Φ16, etc
Protective tube material	304, 316, HG3039, Stainless steel lined with PTFE, etc
Connection form	GDM connector, waterproof, explosion-proof, etc
Installation mode	Fixed thread type, flange type, etc
Length	100~10000mm
Insulation	≥ 100MΩ (Note: When the ambient temperature is 15 ° C to 35 ° C and the relative humidity is less than 80%, the insulation resistance of the lead wire and outer bushing must be tested.)

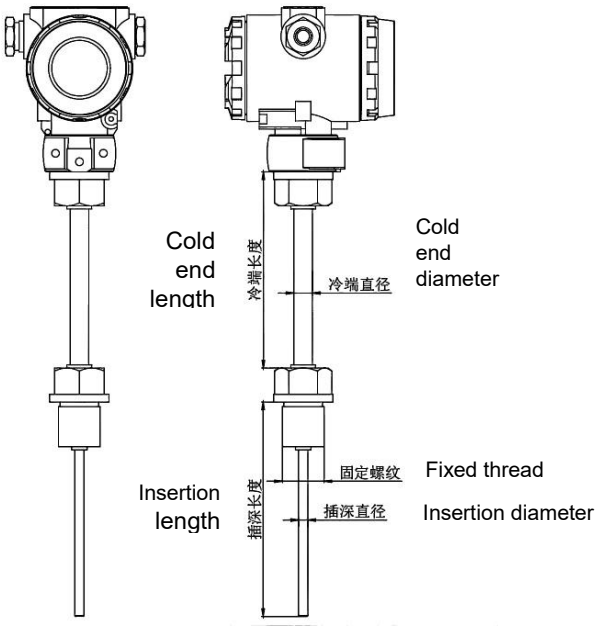
Model Code Selection Table

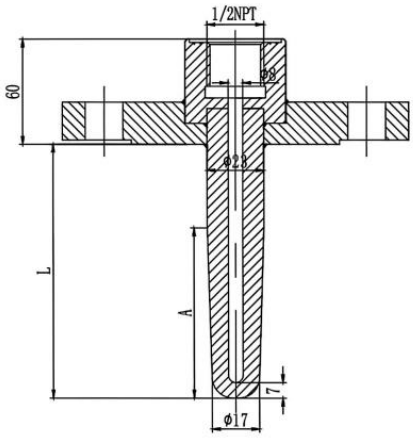
Part	Number
Selection Type	WD04
Temperature sensing element	P：PT100 B：B E：E K：K R：R S：S
Accuracy	A：±0.25%F.S（- 50℃~400℃,HART） B：±0.5%F.S（- 200℃~ 600℃） C：±1 .0%F. S（0℃~ 1700℃）
Process connection	A：Unsecured B：Fixed thread, default M27*2 (M) C：Adjustable sleeve thread, default M27*2 (M) D：Chuck connection default Φ50.5 E：Flange connection, default DN25 PN16
Junction box form	1：Compact GDM connector 2：Compact IP68 straight lead 3：Waterproof type,Waterproof junction box by default 4：Smart tape display, the default 2088 connection
Protective tube diameter	A：Φ6 B：Φ12

	C： Φ16 D： Φ18 E： Φ20
Output	A：4~20mA B：1~5V C：4~20mA+HART D：RS485
Length	L*I：L Total length *I insertion depth
Explosion-proof class	N：Non-explosion proof E：Ex ia IIC T1 ~ T6 Ga D：Ex d IIC T1~T6 F：Ex tD A21 IP66 T80℃
Material	A：304 B：316 C：HG3039 D：Corundum tube E：Silicon carbide tube
Temperature range	T（Measuring range）
Attachments	N：No special requirements A：Welded base B：Protective sleeve C：Anti-corrosion fluorine lining D：Wear-resistant tube must provide wear-resistant length: mm X：By customized

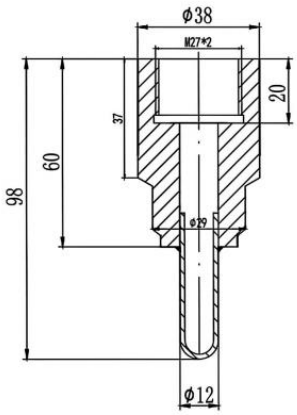
Size

Unit：mm

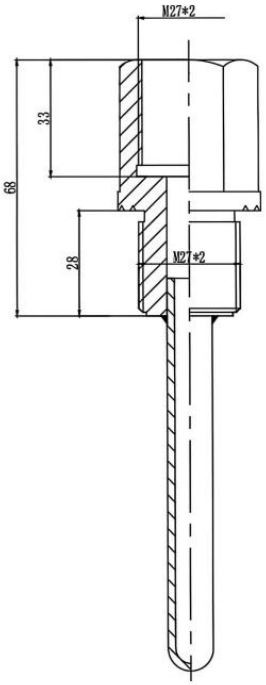




Flange type



Welded type



Threaded type