

THERMAL RESISTANCE WD02



Product overview

The WD02 series armored thermistor is used to measure temperature by means of the property that the material's own electrical resistance also changes with the temperature change. The heated part of the thermal resistance (temperature sensing element) is evenly wound on a skeleton made of insulating material with a thin metal wire. When there is a temperature gradient in the measured medium, the measured temperature is the average temperature in the medium layer within the range of the temperature sensing element. Usually connected display instrument, recording instrument, computer, etc.

Features

- Less thermal response time, reduce dynamic error.
- High mechanical strength, good pressure resistance.
- Flexible installation.
- Temperature sensing element is reliable and stable.
- Large measuring range.

Specifications

Type	WD02
Measuring Medium	Gas, Liquid, Steam
Range	-200℃~600℃
Accuracy	A(-50℃~400℃), B(-200℃~200℃/-50℃~600℃)
Response time	$\phi 5 \leq 8s$, $\phi 8 \leq 18s$, $\phi 12, \leq 30s$
Length	100mm~10000mm
Protective tube diameter	$\phi 3$, $\phi 4$, $\phi 6$, $\phi 12$, $\phi 16$, etc
Protective tube material	304, 316, HG3039, stainless steel lined with tetrafluoroides
Wiring form	GDM connector, waterproof type, explosion-proof type, etc
Installation mode	Fixed thread type, flange type, etc
Insulation	$\geq 100M\Omega$ (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.)

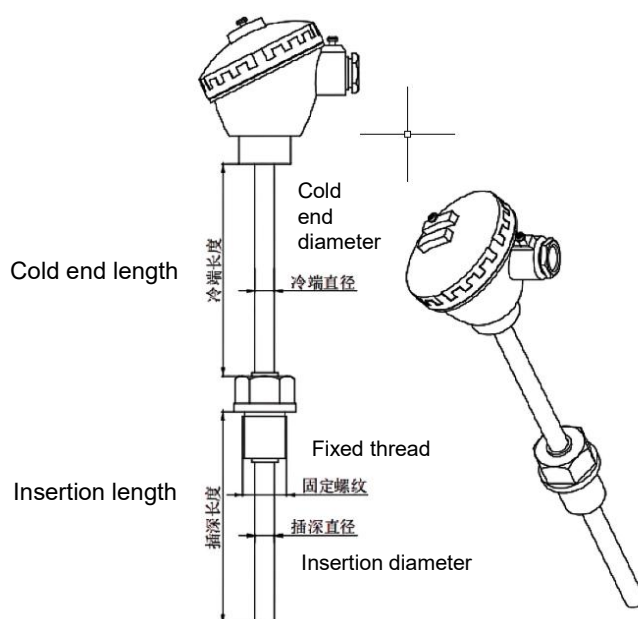
Model Code Selection Table

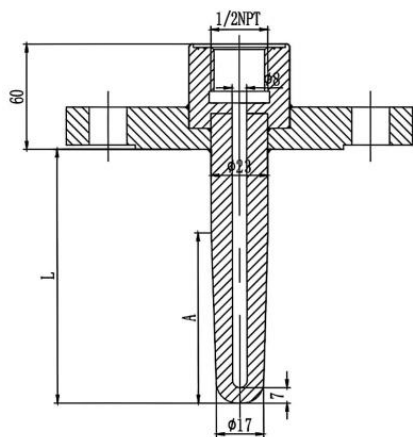
Part	Number
Selection Type	WD02
Temperature sensing element	A: PT100 B: PT1000 C: Cu50 D: Cu100
Number of components	1: Single branch 2: Double branch 3: multipoint
Process connection	A: Unsecured B: Fixed thread, default M27*2 (M) C: Adjustable sleeve thread, default M27*2 (M) D: Chuck connection default $\phi 50.5$ E: Flange connection, default DN25PN16
Junction box form	1: Compact GDM connector 2: Compact IP68 straight lead 3: Waterproof type, Waterproof junction box by default 4: Explosion-proof type, default inclined explosion-proof box
Protective tube diameter	A: $\phi 3$ B: $\phi 4$ C: $\phi 6$ D: $\phi 8$ E: $\phi 10$ F: $\phi 12$ G: $\phi 16$

Accuracy	A: Class A - 50°C~ 400°C B: Class B 200°C~ 200°C/ - 50°C~ 600°C
Length	L*I: L Total length *I insertion depth
Explosion-proof class	N: Non-explosion proof D: Ex d IIC T1~T6
Material	A: 304 B: 316 C: Fluorine-lined anticorrosion
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

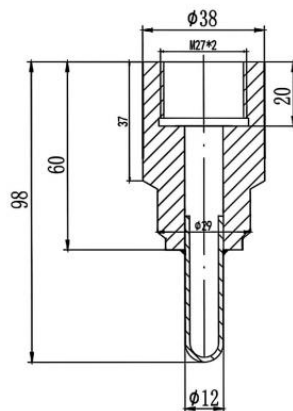
Size

Unit: mm

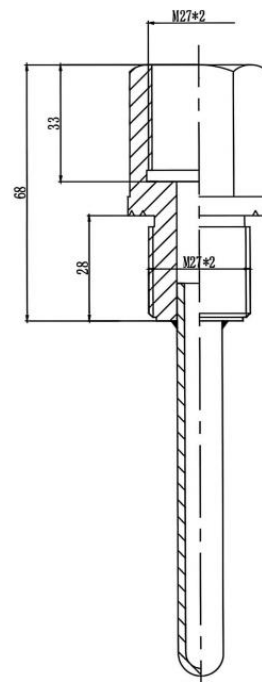




Flange type



Welded type



Threaded type