

# TEMPERATURE SENSOR WD06-PT100



## Features

- Accurate measurement, withstand pressure and earthquake resistance. Stainless steel probe, easy to install. Waterproof and corrosion resistant, multi-probe selection.
- Stable measuring terminal, easy connection, long service cycle, good transmission effect.
- The four-polyethylene outer layer is silver plated, which has high temperature resistance and strong anti-interference effect. The inner 3-core is silver plated at high temperature.



## Specifications

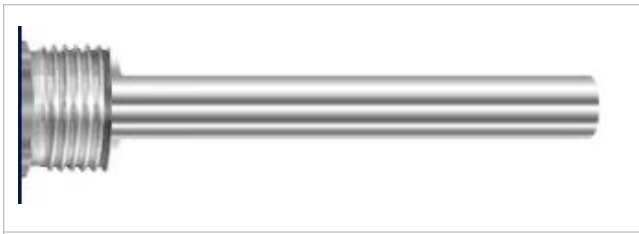

Type	WD06-PT100
Overall dimensions	Length (mm)* Diameter (mm) Line length (m): 4*30*1;4*30*2,4*30*3;Other customization
Wire material	Platinum-plated nickel wire
Shielded wire material	Silver-coated PTFE wire
Temperature coefficient	TCR=3850ppm/k
Temperature range	>50°C to 200°C High temperature customization 400°C
Insulation resistance	>100mΩ at 20°C, >2mΩ at 500°C
Long-term stability	RO drift is less than or equal to 0.04%(500°C, 100 hours later)
Anti-vibration rating	only 40g acceleration (10-2000Hz)
Natural coefficient	0.4K/mW(0 hours)
Chip response time	Water @2m/s t <sub>0.5</sub> =0.05s t <sub>0.9</sub> =0.15s Air @2m/s t <sub>0.5</sub> =3.0s t <sub>0.9</sub> =10.0s

## Model Code Selection Table

Part	Number
Selection Type	WD06-PT100
Range(°C)	V1 : -50-200 V2: -50-100 V3: 0-200 V4: 0-300 V5: -50-400
Probe diameter (mm)	A : $\phi 3$ B: $\phi 4$ C: $\phi 6$ D: $\phi 8$ E: $\phi 10$ X : By customized
Lead length	1: 1m 2: 2m 3: 3m 5: 5m X : By customized
Probe insertion depth (mm)	A: 30 B: 60 C: 100 D: 200 E: By customized
Note	Y: Direct lead T: Patch type B: Pressure nose type L: Threaded D: Waterproof E: anti-corrosion

## Working condition overview

	<p style="text-align: center;"><b>Waterproof temperature sensor</b></p> <ul style="list-style-type: none"> <li>● Plug-in mounting</li> <li>● Default size :4 x 30mm</li> <li>● Temperature measurement range :-20C-200°C</li> <li>● Application: all kinds of conventional temperature measuring occasions</li> </ul>
	<p style="text-align: center;"><b>Pressure nose temperature sensor</b></p> <ul style="list-style-type: none"> <li>● Default size :8 x 10 x 100mm</li> <li>● Temperature measurement range :-20°C-200°C</li> <li>● Inner hole diameter: <math>\phi 4</math></li> <li>● Application: need fixed special occasions or a vibrating surface, such as an electrical machine,bearing,etc.</li> </ul>

	<p><b>Threaded temperature sensor</b></p> <ul style="list-style-type: none"><li>● Screw mounting</li><li>● Default M20*1.5, the rest can be customized</li><li>● Temperature measurement range : -20°C-200°C</li><li>● Application: It is used to measure the temperature of gas and liquid in pipeline or tank</li></ul>
	<p><b>Chip type temperature sensor</b></p> <ul style="list-style-type: none"><li>● Patch mounting</li><li>● Default size : 8 x 25 x 1000mm</li><li>● Temperature measurement range : -20C-200°C</li><li>● Application: There are great advantages in measuring flat objects, and the whole end face is the measuring point</li></ul>