CS-WPT1200 Pressure and Temperature Transmitter

(Product Specification)

XI'AN CHINASTAR M&C LIMITED

To Be An Influential And Innovative Enterprise In Global Sensor Field

Features and Applications

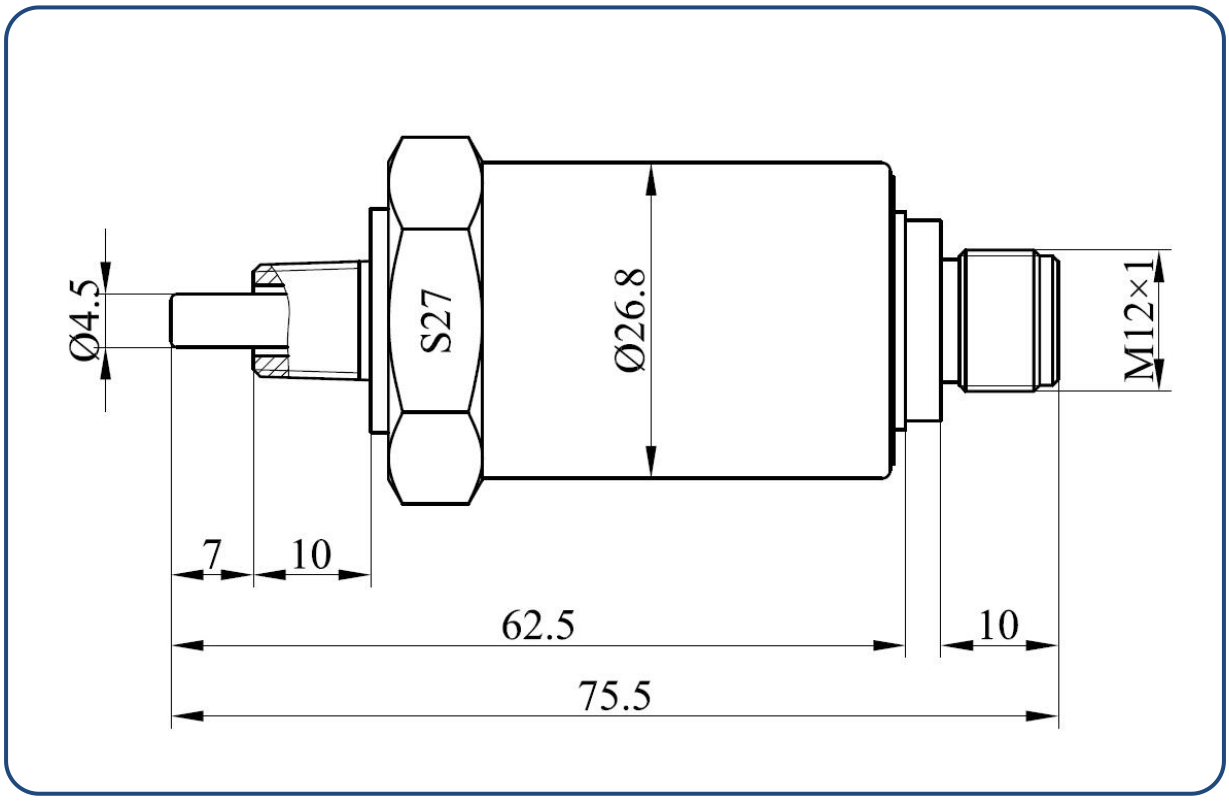
- Ceramic pressure sensor
- Temperature pressure dual output
- Pressure accuracy±1.0%F.S
- Forward and reverse over-voltage
- NTC thermistor
- Temperature accuracy±1.0%F.S

Performance Specifications

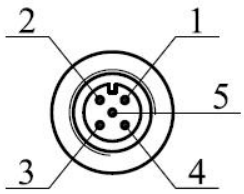
Pressure range	0 ~ 150 PSI
Pressure accuracy	±1.00%F.S
Pressure output	0.5~4.5V
Temperature range	-40℃~140℃
Temperature output	NTC,R(25℃)=10KΩ±1%，B(25/85)=3435±1%
Supply voltage(U+)	5VDC
Output load resistance	≥10KΩ
Proof pressure	150%F.S
Burst pressure	200%F.S
Over-voltage	28VDC
Reverse voltage	-28VDC
Operating temperature	-20℃~85℃
Medium temperature	-20℃~125℃

Response time	10ms
Vibration	10g，5~ 2000HZ
Shock	X/Y/Z 20g sine11ms
Electrical connection	M12 (5PIN)
Pressure port	NPT1/8 (Male)
Insulate resistance	≥100MΩ@50VDC
Output Signal	4~20mA
Supply voltage	10~30 VDC
Output load	≤ (U－10)/0.023 Ω(Max：600Ω)
Materials of pressure port	304 stainless steel
IP Rating	IP65
Medium	Gasoline/motor oil
The pressure core body	Ceramic pressure sensor

Structure and Dimension (mm)



Electrical Connection

M12×1 (5PIN)	Three line (0.5~4.5VDC)		
	PIN	Define	Color of wire
	1	Supply power (VCC)	Brown
	2	Voltage output (OUT)	White
	3	GND	Blue
	4	NTC1	Black
	5	NTC2	Grey

Notes

1. Only use the pressure sensor to test the medium which have no corrosion to 304 stainless steel.
2. Can not use sharp tools to clean the pressure hole when the hole of the pressure sensor is blocked. The pressure sensor shall be removed from system and put the pressure hole part into the fluid which can dissolve the blocking substance.
3. Can not adjust the pressure transmitter unless be guided with our professional.
4. The transmitter should be good connect to the Earth.
5. The location of the transmitter should be chosen where it is not easy to be touched and trampled.

Disposal methods of hazardous wastes such as waste circuit boards and their components after the end of product life.

After the end of the product life, each part shall be distinguished according to the “National hazardous waste list” to determine whether it is hazardous waste. Among them, the waste lithium battery not disassembled is not hazardous waste, and the waste circuit board (including components, chips, plug-ins, pins, etc. attached to the waste circuit board) belongs to hazardous waste.

The part that is not hazardous waste shall be treated as general industrial solid waste, and the lithium battery shall be handed over to the nearby renewable resource recovery department or sent to the product manufacturer for recycling.

Hazardous wastes must be handed over to legally qualified departments for disposal in

accordance with national regulations, and shall not be dumped or stacked without authorization.If it is really necessary to store temporarily, protective measures meeting the national environmental protection standards must be taken, and the storage period shall not exceed one year. At the same time, the time and place of temporary storage and the protective measures taken shall be reported to the competent environmental protection department. Hazardous waste transfer activities can be arranged according to the actual production situation. The system shall be strictly implemented in the transfer process

Statement

The company reserves the right to modify the specifications and contents of this manual. Subject to modification without notice. Due to the update of the product, the individual details of this document may not match the product, please refer to the actual product. The interpretation right of this document belongs to our company.