

# CS-PT830 Series Thin Film Pressure Transmitter

## Pressure Transmitter Based on Thin Film Technology

- ☆ Accuracy  $\pm 0.1, \pm 0.25, \pm 0.5\%$  F.S
- ☆ Thin film sensor
- ☆ Whole welded structure
- ☆  $-40$  to  $200^{\circ}\text{C}$  range
- ☆ Customized pressure ports
- ☆ Customized electrical connection
- ☆ Standard 4 to 20mA, 1 to 5V output, etc
- ☆ Intrinsically safe, CE Certificates
- ☆ RoHS compliance

### Application:

- Hydraulic systems
- Control Systems

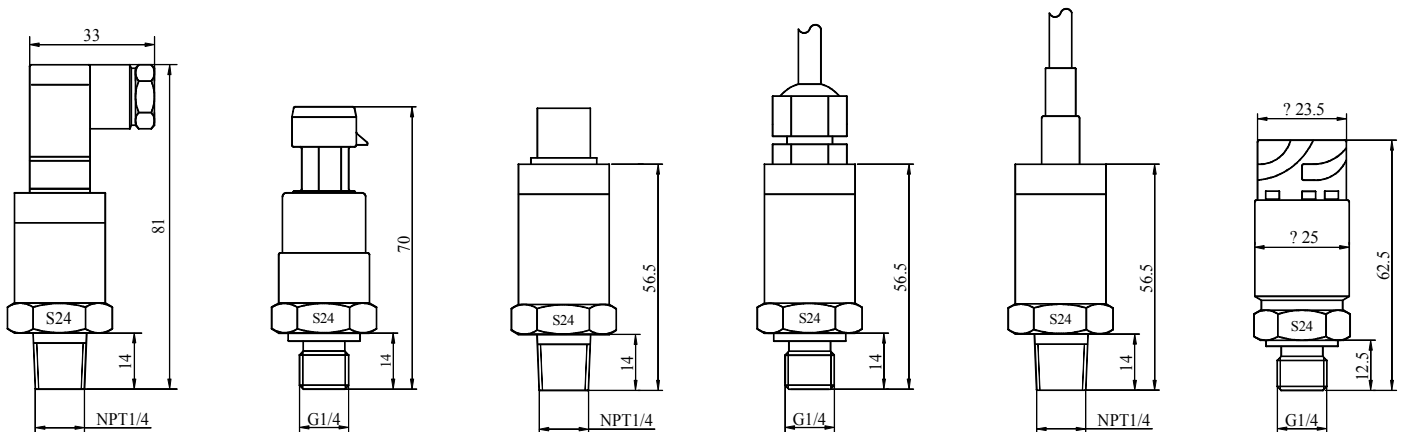


## Characteristics

CS-PT830 series of pressure transmitters based on thin film sensors feature wide measurement range, good accuracy, over pressure resistance, and high temperature application. Whole welded structure without o-ring makes the transmitters more resistive to over pressure and work well on hydraulic systems and other automatic systems where over pressure, high temperature, and stable performance demand.

Small size and light weight makes installation easier and can be installed in a wide range of industrial applications.

## Mechanical Details



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## Technical Specifications

Items	Technical Data			
Range	0...50bar to 2000bar			
Over Pressure	4 times of range			
Accuracy	±0.1%F.S, ±0.25%F.S, ±0.5%F.S			
Typical Stability	Typical:0.25%F.S		Maximum:0.4%F.S	
Operating Temperature	-40°C~120°C (special range -50°C~230°C)			
Compensating Temperature	-20°C~120°C			
Electrical Signal	Two wires	Three wires	Four wires	
Output	4~20mA	0~20mA	0~20mA	Or 0~10mA
		0~10Vdc	0~10Vdc	Or 0~5Vdc
Power Supply	12~30Vdc	12~30Vdc	12~30Vdc	
Load Resistance	(U-10)/0.02(Ω)	A:(U-10)/0.02(Ω), V:>100K Ω		
Resistance	>100M Ω@50V			
Electrical Connection	DIN43650, IP65			
	GX16-7 IP45			
	Direct cable IP68			
Pressure Connection	M20×1.5, G1/2, G1/4, NPT1/2, NPT1/4, NPT1/2			
Pressure Type	G - Gauge, A - Absolute			
Certificate	Intrinsically Safe, CE			
Electromagnetic Interference	Electromagnetic radiation: EN50081-1/-2			
	Electromagnetic sensitivity: EN50082-2			

## Order Code

