

## General Purpose Pressure Transmitter CS-PT300S

### Feature

- Pressure type: Gauge Pressure
- Range: -1-0bar, 0 ... 0.07 to 0 ... 1000bar
- Customized working temperature: -40℃~100℃
- Signal Output: 4~20mA, 0/1~5Vdc, 0.5~4.5Vdc, 0~10Vdc
- Power supply: 10~30Vdc, 24Vdc, 5V(ratio), 12~30Vdc
- Over voltage and Reverse voltage protection
- Wide choice of pressure and electrical outputs

### Application

Gas dispenser | Refrigerating machine | Hydraulic control | Agricultural machinery | Pressure instrument  
| Automatic checkout system | Energy and Water treatment | Real-time executive of oil well

### Description

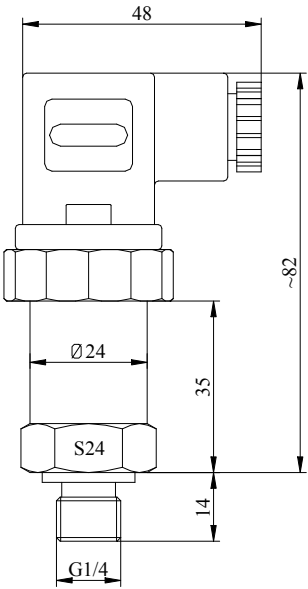
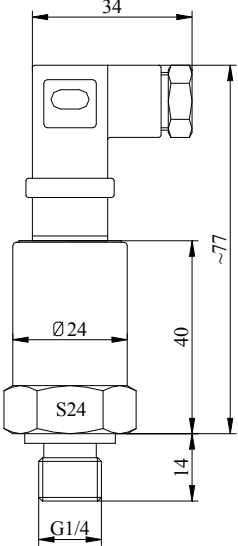
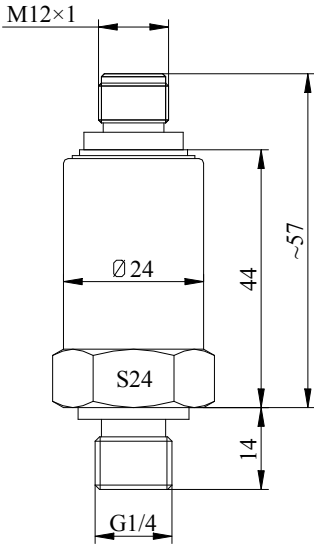
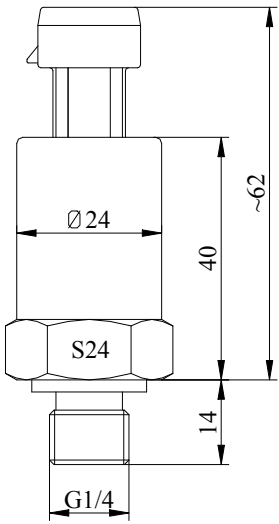
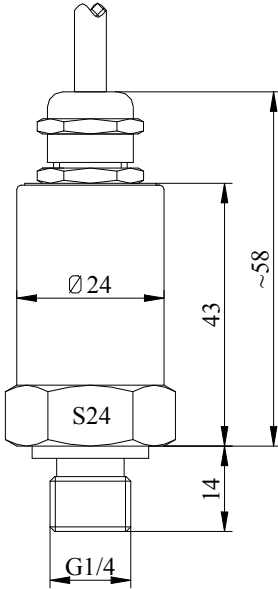
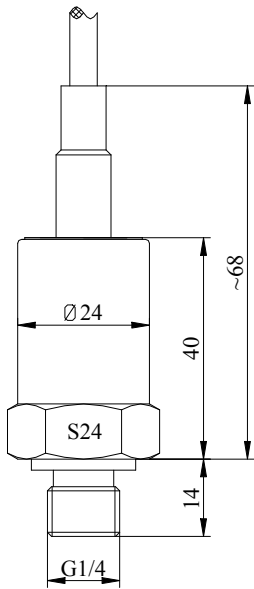
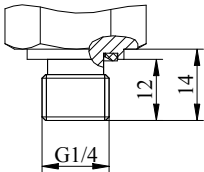
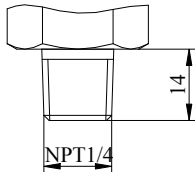
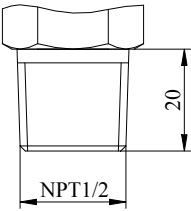
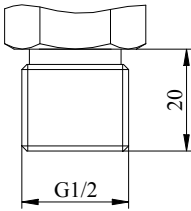
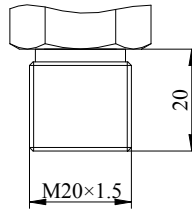
The model 300S pressure transmitter for general purpose is the ideal solution for general industrial applications.

These measuring ranges can be combined in almost any way with all the standard industry output signals, the most common international process connections and a wide number of electrical connections.

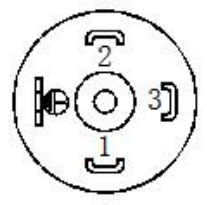

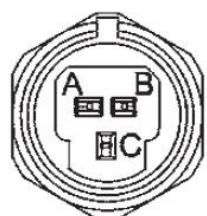

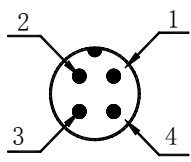
All variants described in this datasheet are available on very short lead times.



**Structure and Dimension (mm)**

DIN43650 A	DIN43650 C	M12 x 1 (4-pin)
		
Packard Metri-Pack	Cable outlet A	Cable outlet B
		
 	 	

**Electrical connection**

DIN43650A & DIN43650C					
	Pin	2-Wire		3-Wire	
	1	Power supply	<b>Red</b>	Power supply	<b>Red</b>
	2	Output signal	<b>Green/Blue</b>	GND	<b>Black</b>
	3	---	---	Output signal	<b>Green/Blue</b>
		Shield	<b>Black</b>	Shield	<b>Yellow</b>
Packard					
	Pin	2-Wire		3-Wire	
	A	Shield	<b>Black</b>	GND	<b>Black</b>
	B	Power supply	<b>Red</b>	Power supply	<b>Red</b>
	C	Output signal	<b>Green/Blue</b>	Output signal	<b>Green/Blue</b>
Flying cable A & Flying cable B					
	Pin Color	2-Wire		3-Wire	
	<b>Red</b>	Power supply		Power supply	
	<b>Green/Blue</b>	Output signal		Output signal	
	<b>Black</b>	Shield		GND	
	<b>Yellow</b>	---		Shield	
	White	---		---	
Aviation plug (YG-12-4A or M12)					
	Pin	2-Wire		3-Wire	
	1	Power supply	<b>Red</b>	Power supply	<b>Red</b>
	2	Output signal	<b>Green/Blue</b>	Output signal	<b>Green/Blue</b>
	3	---	---	GND	<b>Black</b>
	4	Shield	<b>Black</b>	Shield	<b>Yellow</b>

**Technical parameters**

<b>Measuring Range</b>	-1-0bar, 0 ... 0.07 to 0 ... 1000bar	<b>Medium compatibility</b>	All 304 compatible corrosive mediums
<b>Overload pressure</b>	1.5 * pressure range	<b>Insulation</b>	>100MΩ@50V
<b>Broken pressure</b>	3 * pressure range	<b>Stability</b>	Typical 0.5% F.S., maximum: 1 %F.S
<b>Accuracy</b>	±0.5%F.S ±1.0%F.S	<b>Operating temperature</b>	-40℃~100℃
<b>Insulation</b>	>100M Ω@50V	<b>Electrical connection</b>	DIN43650A/C, M12 Aviation plug, Cable
<b>Response time</b>	10ms	<b>Pressure port</b>	G1/2 G1/4 NPT1/4 M20×1.5

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			7/16-20UNF etc.		
<b>EMC</b>	EMI:EN50081-1/-2, EMS:EN50082-2				
<b>Wires</b>	Two-wire		Three-wire		
<b>Output signal</b>	4~20mA	0.5-4.5V(Ratio)	0~10Vdc	0-5Vdc	0-20mA
<b>Supply voltage</b>	10~30Vdc/24Vdc	5Vdc	12~30Vdc	10-30Vdc	10-30Vdc
<b>Load resistance</b>	(U-10)/0.02(Ω)		> 100KΩ		

## Type Selection Guide

CS	General Purpose Pressure Transmitter									
	Code	Model								
	PT300S	Universal								
		Code	Span							
		P	psi							
		K	Kpa							
		B	bar							
		M	Mpa							
			Code	Output signal						
			A	4-20mA						
			V	0-10V						
			V1	0-5V						
			V2	0.5-4.5V						
			V3	1-5V						
				Code	Power supply					
				DC	10-30Vdc					
				DC1	24Vdc					
				DC2	12-30Vdc					
				D/A	5Vdc					
					Code	Precision				
					5	±0.5%F.S.				
					1	±1.0%F.S.				
						Code	Pressure port			
						G	G1/4			
						G2	G1/2			
						N	NPT 1/4			
						R	R1/4			
						M	M20X1.5			
							Code	Electric connection		
							D	DIN43650A		
							C	Flying cable		
							M	M12 Aviation plug		
								Code	Packing	
								Bb	Bubble bag	
								Bx	Small white box	
CS	PT300S	P	A	DC	2	G	D	Bb		