

## General Purpose Pressure Transmitter CS-PT1200

### Feature

- Pressure type: Gauge Pressure
- Range: 0~2bar...600bar -1-0bar
- Each year's sales quantity is more than 3,000,000pcs
- Customized working temperature: -40℃~100℃
- Signal Output: 4~20mA, 0~20mA 0/1~5Vdc, 0.5~4.5Vdc, 0~10Vdc
- Power supply: 10~30Vdc, 15-24Vdc/24Vac, 5V(ratio), 12~30Vdc
- CE, RoHS approved, Intrinsically safety certificate optional



### Application

Air compressor | Building water supply system | Hydraulic control | Air conditioner |

Auto Engine | Automatic detecting system | Heating system | Refrigerator

### Description

CS-PT1200 series of pressure transmitters feature high quality, high stability, small size, low weight, compact structure, low cost and mass production. The products are widely used to measure pressure of air compressors, auto engines, air conditioning equipment, etc.

Stainless steel housings are ideal for industrial environment. Pressure sensing elements are selected from well-known international brands. The products have been approved with CE, intrinsically safe, and explosion-proof certificates.

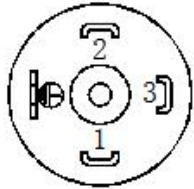
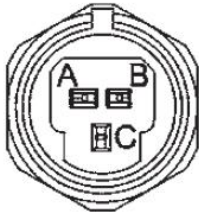
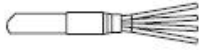
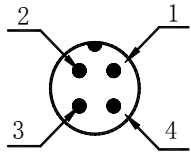
Non-polar two-wire current and three-wire voltage output on request.

Products are produced according to military standards of advanced design, perfect technology, scientific management, strict production and quality control and have been sold to over 50 countries.

Structure and Dimension (mm)

Packard Metri-Pack	DIN43650 C	DIN43650 A
Flying cable A	Flying cable B	M12 x 1 (4-pin)

## 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

Measuring Range	0~2bar...600bar, -1-0bar	Medium compatibility	All 304 compatible corrosive mediums
Overload pressure	1.5 * pressure range	Insulation	>100MΩ@50V
Broken pressure	3 * pressure range	Stability	Typical 0.5% F.S, maximum: 1 %F.S
Accuracy	±0.5%F.S ±1.0%F.S	Operating temperature	-40℃~100℃

<b>Insulation</b>	> 100M Ω@50V	<b>Electrical connection</b>	DIN43650A/C, Packard, M12 Aviation plug, Cable			
<b>Response time</b>	10ms	<b>Pressure port</b>	G1/2 G1/4 NPT1/4 M20×1.5 7/16-20UNF			
<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	15-24Vdc/24Vac	12~30Vdc	10-30Vdc	
<b>Load resistance</b>	(U-10)/0.02(Ω)	> 100KΩ				

## Type Selection Guide

CS	Economical pressure transmitter							
	Code	Model						
	PT1200	Universal						
	PT1200E	Intrinsically safety						
	PT1200W	Special for water application						
	Code	Span						
	P	psi						
	K	Kpa						
	B	bar						
	M	Mpa						
	Code	Output signal						
	A	4-20mA						
	V	0.5-4.5Vdc (Ratio)						
	V1	0-10Vdc						
	V2	0-5Vdc						
	V3	0-20mA						
	Code	Power supply						
	DC	10-30Vdc						
	DC1	24Vdc						
	DC2	5Vdc						
	D/A	15-24Vdc/24Vac						
	DC4	12-30Vdc						
	Code	Precision						
	1	±1.0%F.S.						
	5	±0.5%F.S.						
	Code	Pressure port						
	G	G1/4						
	G2	G1/2						
	N	NPT1/4						
	R	R1/4						
	M	M20X1.5						
	Code	Electric connection						
	P	Packard						
	D	DIN43650A						
	DS	DIN43650C						
	CA	Flying cable A						
	CB	Flying cable B						
	M	M12 Aviation plug						
	Code	Packing						
	Bb	Bubble bag						
	Bx	Small white box						
CS	PT1200	P	A	DC	1	G	P	Bb

Note: CS-PT1200E comply with 24Vdc power supply, 4-20mA output, Intrinsically safety label