

# Pressure Sensor For HVAC-R Industry



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Invention Patent



American  
Invention Patent



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Software  
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# Pressure Transmitters For HVAC-R Industry

## CS-PT300G ▶



**Pressure Range** -1~10/20/30/40/50bar  
-14.5~150/30/450/600/750psi

**Accuracy** ±0.5%F.S.

**Power Supply** 10~30 VDC, 5±0.25VDC

**Output Signal** 4~20mA  
0.5~4.5VDC(Ratio)

**Electrical Connections** Packard, M12 (4-pin),  
Waterproof cable outlet

**Pressure Connections** 7/16-20UNF-2A  
7/16-20UNF-2B  
Φ6.35 Copper pipes

### Features & Applications

All-welded structure no O-ring	High over-load High burst pressure	High accuracy
Anti- condensation	Chilled Water Screw Units	Water Source Heat Pump Units
Energy Storage Units	Ground Source Heat Pump Units	Precision Air Conditioning
Air Source Heat Pumps	Multi-Split Air Conditioner	Industrial Refrigerating Units

## CS-WPT300G ▶



**Pressure Range** -1~10/20/30/40/50bar  
-14.5~150/300/450/600/750psi

**Temperature Range** -40°C~145°C  
-40°F~257°F

**Accuracy** ±0.5%F.S.

**Power Supply** 10~30VDC

**Output Signal** 4~20mA

**Electrical Connections** DIN43650A

**Pressure Connections** G1/4, NPT1/4

### Features & Applications

All-welded structure	High accuracy	Pressure&temperature transmitter
Dual-channel 4~20mA output	Anti- condensation	Maglev Units
Water Source Heat Pump Units	Ground Source Heat Pump Units	
Chilled Water Screw Units	Industrial Refrigerating Units	

## CS-PT1202 ▶

CE PED 



**Pressure Range** -1~2/200/400bar  
-14.5~30/300/3000/6000psi

**Accuracy** ±0.5%F.S. ±1.0%F.S.

**Power Supply** 10~30VDC, 12~30VDC  
5±0.25VDC

**Output Signal** 4~20mA, 0~10V  
0.5~4.5V(Ratio)

**Electrical Connections** DIN43650C, Packard, M12x1,  
Waterproof cable outlet

**Pressure Connections** 7/16~20UNF~2A  
7/16~20UNF~2B  
G1/4, NPT1/4, G1/2

### Features & Applications

Anti-  
condensation

Central Air Conditioning

Chilled Water  
Screw Units

Water Source Heat  
Pump Units

Ground Source Heat  
Pump Units

## CS-PT1801 ▶

CE 



**Pressure Range** -1~10/20/30/40/50bar  
-14.5~150/300/450/600/750psi

**Accuracy** ±0.6%F.S. ±1%F.S.

**Power Supply** 8~30VDC

**Output Signal** 4~20mA

**Electrical Connections** Packard

**Pressure Connections** 7/16-20UNF-2B  
Φ6.35 Copper pipes

### Features & Applications

Fully sealed  
Anti-condensation

Excellent electromagnetic  
Resistance ability

High burst  
pressure

Chilled Water  
Screw Units

Water Source Heat  
Pump Units

Ground Source Heat  
Pump Units

# Pressure Sensor For HVAC-R Industry

## CS-PT1350 ▶



**Pressure Range** -1~-5/50/100/150/200/250bar  
-14.5~-75/175/1175/2175/3750psi

**Accuracy** ±1.0%F.S.

**Power Supply** 8~36VDC

**Output Signal** 4~20mA

**Electrical Connections** Packard

**Pressure Connections** Φ 6 x 60 Copper pipes

### Features & Applications

Suitable for mass production

High over-load

Large range up to 250bar (3750 psi)

CO<sub>2</sub> Compressor Bundle

Pump and Compressor

## CS-PT1100 ▶



**Pressure Range** 0~5/15/25/35/45/50bar  
0~75/150/300/450/600/750psi

**Accuracy** ±0.5%F.S. ±1.0%F.S.

**Power Supply** 8-30V, 5±0.25VDC

**Output Signal** 4~20mA  
0.5~4.5VDC (Ratio)

**Electrical Connections** Packard

**Pressure Connections** 7/16UNF-2A, 7/16UNF-2B  
G1/4

### Features & Applications

Economical

Small size

Refrigeration Compressor

Refrigeration Dehumidifier

Commercial Air-conditioned Vehicles

## CS-PT200D ▶



**Pressure Range** -1~1/100/200/300/350bar  
-14.5~14.5/150/3000/4500/5250psi

**Accuracy** ±0.5%F.S.

**Power Supply** 24VDC

**Output Signal** 4~20mA

**Electrical Connections** Fixed cable terminals

**Pressure Connections** M20X1.5

### Features & Applications

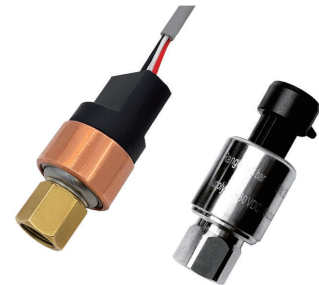
Explosion-proof type

Explosion-proof Refrigeration Units



Explosion-proof Certificate

## CS-PT300M ▶



**Pressure Range** -1~10/20/30/40/50bar  
-14.5~150/300/450/600/750psi

**Accuracy** ±1%F.S.

**Power Supply** 5±0.25VDC

**Output Signal** 0.5~4.5VDC (Ratio)

**Electrical Connections** Waterproof cable outlet

**Pressure Connections** 7/16-20UNF-2B

### Features & Applications

High over-load burst pressure

Excellent electromagnetic immune ability

All-welded construction, no O-ring, no leakage risk

Anti-condensation

Air Source Heat Pumps

Multi-split Air Conditioner

Precision Air Conditioning

Industrial Refrigerating Units

Modular Unit

Unit Plant

# Pressure Transmitters For HVAC-R Industry

## CS-PT1800 ▶



**Pressure Range** -1~10/20/30/40/50bar  
-14.5~150/300/450/600/750psi

**Accuracy** ±1.5%F.S.

**Power Supply** 5±0.25VDC

**Output Signal** 0.5~4.5VDC(Ratio)

**Electrical Connections** Packard

**Pressure Connections** 7/16-20UNF-2B  
Φ6.35 Copper pipes

### Features & Applications

Small size and simple installation

Excellent electromagnetic resistance ability

Forward and reverse overvoltage

Fully sealed Anti-condensation

Heat Pumps Units

Multi-split Air Conditioner

Precision Air Conditioning

Modular Unit Unit Plant

## CS-PT1803 ▶



**Pressure Range** -10~20/30/40/50bar  
-14.5~150/300/450/600/750psi

**Accuracy** ±1%F.S. ±1.5%F.S.

**Power Supply** 5±0.25VDC

**Output Signal** 0.5~4.5VDC(Ratio)

**Electrical Connections** Packard

**Pressure Connections** 7/16-20UNF-2B  
Φ6.35 Copper pipes

### Features & Applications

Good linearity, low thermal drift

Excellent electromagnetic immune ability

Anit-condensation

Air Source Heat Pumps

Heat Pump Units

Ultra-low Temperature Fixed Frequency / Frequency Conversion Units

 **XI'AN CHINASTAR M&C LIMITED**

Looking Forward to Your Cooperation



Product



*Pressure Sensor For HVAC-R Industry*

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To Be An Influential And Innovative Enterprise  
In Global Sensor Field



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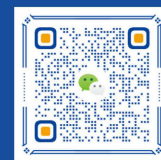
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