

## Pressure Transducer

CS-PT1350

### Description:

CS-PT1350 product is a pressure transmitter specially used for air-conditioning and refrigeration field. It uses advanced pressure sensor and specially made circuit for transmitter with an analog voltage output in proportion to pressure. It has features of micro-current, high overload pressure, wide temperature range, overvoltage -protection, reverse voltage-protection, vibration and shock resistant and high insulation resistance, and it can meet a wide range of air-conditioning and refrigeration field.

It meets IEC61000 series Electro Magnetic Compatibility (EMC) standards.

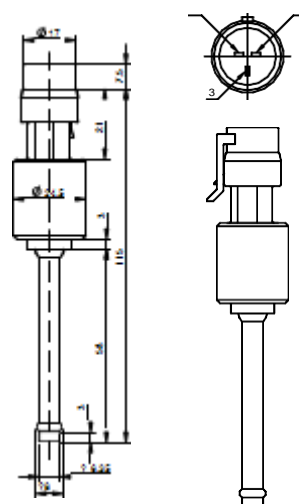


### Features:

- micro-current
- high overload pressure
- wide temperature range
- overvoltage-protection
- reverse voltage-protection
- vibration and shock resistant
- high insulation resistance
- IEC61000 series EMC standards compatible

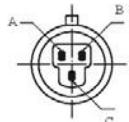
### Applications:

- air-conditioning
- Refrigeration



### Technical data:

Specifications	Unit	Results	Remark
Pressure Range	MPa	0~2	0~5 Optional
Overload Pressure	%FS	200	
Burst Pressure	%FS	500	
Accuracy	%FS	±3	-30~+105°C

Pressure Type		Gauge													
Pressure Connection Type		Copper Pipe													
Medium Compatibility		Refrigerant													
Supply Voltage	VDC	5±0.25													
Supply Current	mA	≤5													
Electrics Feature		Three-wire type													
Output Signal @FS	VDC	0.5~3.5													
Electrics Connector	Packard Plug	 <table border="1"> <tr> <th>Pin</th> <th>Define</th> <th>Cable</th> </tr> <tr> <td>A</td> <td>GND</td> <td>Black</td> </tr> <tr> <td>B</td> <td>Vcc(+)</td> <td>Red</td> </tr> <tr> <td>C</td> <td>Signal(+)</td> <td>Blue/Green</td> </tr> </table>	Pin	Define	Cable	A	GND	Black	B	Vcc(+)	Red	C	Signal(+)	Blue/Green	
Pin	Define	Cable													
A	GND	Black													
B	Vcc(+)	Red													
C	Signal(+)	Blue/Green													
Insulate Resistance	MΩ	≥100	DC500V												
Dielectric strength		AC1500, 1minute													
IP Rating		IP65													
Shock		20g, sinusoidal,11msec													
Vibrations	Hz/10g	5-2000 in the x-y-z directions													
Working Temperature	°C	-30~+105													
Storage Temperature	°C	-40~+125													

### EMC Compatibility:

Standard	Testing methods
IEC61000-4-2 Electrostatic discharge immunity test	C/R Uint:150pF/330Ω; The time of electrostatic discharge:3 times Test level: (i) Air discharge:±15Kv; (ii)Contact discharge: ±8Kv; (iii)Contact discharge to terminal data: ±2Kv;
IEC61000-4-3 Radiated , radio-frequency, electromagnetic field immunity test	Test level:3V/m; Frequency range:80 to 1000MHz;
IEC61000-4-4 Electrical fast transient / burst immunity test	Test level:1KV/m;
IEC61000-4-5 Surge immunity test	Test level: ±2KV/m; The time of surge immunity test: 3 times;
IEC61000-4-6 Immunity to conducted disturbances, induced by	Test level:3V; Frequency range: 0.15 to 80MHz;

radio-frequency fields	
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