

Main Specifications

▼ **Pressure connection**
 Material: SS304
 1/2" NPT
 1/4" NPT
 1/4" PT
 G1/4" (male)
 G1/4" (female)
 G1/2"
 M20*1.5
 M14*1.5

▼ **Electrical connector**
 Hirschmann connector with LCD display unit

▼ **Sealing O-ring**
 NBR

▼ **Pressure range**
 -100kPa...0~10kPa...100MPa

▼ **Pressure type**
 Gauge pressure /
 Sealed pressure /
 Absolute pressure /
 Compound pressure

▼ **Applicable fluid**
 Liquid and gas that compatible with SS304

▼ **Medium temperature**
 -25°C~85°C

▼ **Ambient temperature**
 -20°C~85°C

▼ **Storage temperature**
 -40°C~125°C

▼ **Ambient humidity**
 -20 to 90%R.H.

▼ **Vibration resistance test**
 20g (20-5000Hz)

▼ **Impact resistance test**
 100g (11ms)

▼ **Protection level**
 IP 54

▼ **Explosion-proof class (option)**
 Exia II CT6

▼ **Display unit optional function**
 RS232/RS485 digital output
 Switch output (max. 5-channel)

Other Specifications

▼ **Case**
 Stainless steel

▼ **Power supply**
 24VDC / 12VDC

▼ **Output signal**
 4~20mA
 1~5V
 0~5V

▼ **Screen display**
 4.5-digit display with white backlight

▼ **Display range**
 -9999~19999
 Decimal point adjustable

▼ **Measuring elements**
 Diffusion silicone chip
 Transducer
 Material: SS316L

▼ **Zero & span drift**
 ±1.5% F.S. max (@-10~70°C)

▼ **Accuracy**
 ±0.5% F.S. (standard) /
 ±0.3% F.S. (option)

▼ **Display accuracy**
 <±0.1%

▼ **Unit selection**
 MPa, kPa, Pa, bar, psi, mbar,
 kg/cm², atm, mmHg, mH₂O,
 cmH₂O, m, cm, V, mV, A, mA,
 °C, °F, Hz, rpm

▼ **Refresh rate**
 2.5 times/sec

▼ **Stability**
 ±0.2% F.S. /year

▼ **Insulation resistance**
 100MΩ, 250VDC

▼ **Temperature compensation**
 -20 to 70°C

▼ **Overpressure**
 1.5*F.S.

▼ **EMC surge**
 (IEC61000-4-5) 2KV

▼ **EMC discharge**
 (IEC61000-4-2)
 Contact discharge 8KV
 Air discharge 15KV

Hirschmann connector with display		
Current (two-wire)	Pin1	Power supply (+)
	Pin2	Current output
Voltage (three-wire)	Pin1	Power supply (+)
	Pin2	COM
	Pin3	Voltage output

Pressure Transmitter with Display (General Type)
Model: PT-CD

Introduction

PT-CD Pressure Transmitter with Display adopts diffusion silicon chip as pressure sensor. The in-built process circuit transform mV signal to standard voltage and current output, and display pressure reading through LCD display unit. The high stable pressure sensor and high performance circuit ensure PT-CD can transmit signal from remote distance.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- All stainless steel integrated design with easy installation features, suitable for long term use in hazardous environment
- Transmitter adopts Hirschmann connector with 4.5-digit LCD display
- Adjust pressure unit, decimal point, upper limit, lower limit and display compensation setting through display unit
- Wide measurement range: -100kPa...0~10kPa...100MPa
- Anti-vibration and anti-impact design
- High interference with long term stability
- Zero and span field calibration

Typical measurement scale table

Gauge pressure		Sealed gauge pressure		Compound pressure		Absolute pressure	
Code	Range	Code	Range	Code	Range	Code	Range
G1	-100kPa~0	S1	0~10MPa	C1	-100kPa~0~100kPa	A1	0~0.1MPa
G2	0~10kPa	S2	0~20MPa	C2	-100kPa~0~200kPa	A2	0~0.2MPa
G3	0~20kPa	S3	0~25MPa	C3	-100kPa~0~500kPa	AO	Others
G4	0~50kPa	S4	0~40MPa	C4	-100kPa~0~1MPa		
G5	0~100kPa	S5	0~60MPa	C5	-100kPa~0~2MPa		
G6	0~200kPa	S6	0~80MPa	C6	-100kPa~0~5MPa		
G7	0~500kPa	S7	0~100MPa	C7	-100kPa~0~10MPa		
G8	0~1MPa	S0	Others	C0	Others		
G9	0~2MPa						
G10	0~5MPa						
G0	Others						

How to order

PT-CD Pressure Transmitter with Display (General Type)									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
4N	Pressure connection	4N	1/2" NPT	2N	1/4" NPT	2P	1/4" PT	2GM	G1/4" (M)
		2GF	G1/4" (F)	4G	G1/2"	M20	M20*1.5	M14	M14*1.5

Custom	Pressure measurement range and pressure type	Please refer to typical measurement scale table and select code							
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S1	Output signal	S1	4-20mA	S2	1~5V	S3	0~5V	—	—
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05	Accuracy	03	±0.3%F.S.	05	±0.5%F.S.	—	—	—	—
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24V	Power supply	24V	24VDC	12V	12VDC	—	—	—	—
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/B	Other requests	/A	Third party notarized document
		/B	Inspection report
		/C	Tag
		/D	RS232/RS485 digital output
		/E	Switch output (max. 5-channel)
		/F	Explosion-proof + certificate
		/G	Adapt the other kind of threads

Order example: PT-CD - 4N - (G8) - S1 - 05 - 24V - /B