

Main Specifications

▼ Pressure connection

M20 x 1.5
G1/2"
M14x1.5
G1/4" (male)
G1/4" (female)
1/2" NPT
1/4" NPT
1/4" PT

Material: SS304

▼ 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

▼ Ambient temperature

-20 to 70°C

▼ Storage temperature

-40 to 85°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

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.

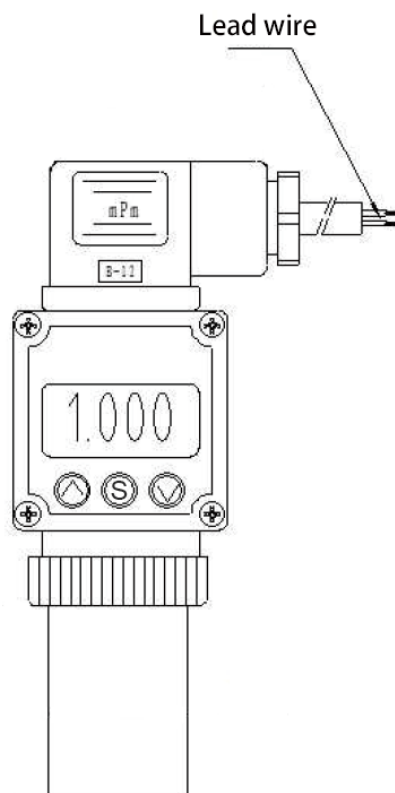


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

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

Dimension



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

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	SO	Others	CO	Others		
G9	0~2MPa						
G10	0~5MPa						
GO	Others						

How to order

PT-CD		Pressure Transmitter with Display (General Type)					
Code	Pressure connection						
4N	1/2" NPT						
2N	1/4" NPT						
2P	PT1/4"						
2GM	G1/4" (male)						
2GF	G1/4" (female)						
4G	G1/2"						
M20	M20x1.5						
M14	M14x1.5						
Code	Pressure measurement range and pressure type						
G8	Please refer to typical measurement scale table and select code						
Code	Electrical connector						
HD	Hirschmann connector with LCD display						
Code	Output signal						
S1	4-20mA						
S2	1 to 5V						
S3	0 to 5V						
Code	Accuracy						
A	0.3%						
B	0.5%						
Code	Power supply						
24V	24VDC						
12V	12VDC						
Code	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						
PT-CD	4N	G8	HD	S1	A	24V	Order example: PT-CD-4N-G8-HD-S1-A-24V