



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

Pressure Transmitter

SIN-P350K

Sinomeasure

Committed to process automation solutions

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Datasheet**Pressure transmitter
SIN-P350K**

Flush diaphragm pressure transmitter uses a ripple to directly sense the pressure. The sensor's flush diaphragm prevents dirt, poor hygiene and clogging of viscous liquids. It has the characteristics of small size, light weight, good long-term stability, etc. The series' product is applied extensively in food, medicine, hygiene, wine industry and other professions.

Applications

- Food
- HAVC
- Medicine
- Hygiene
- Wine industry

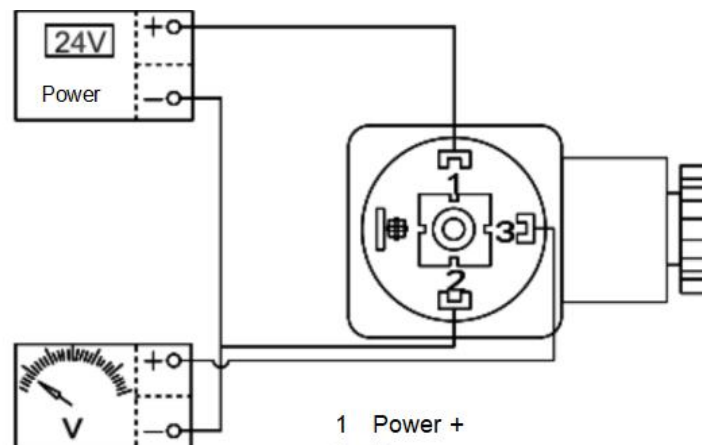
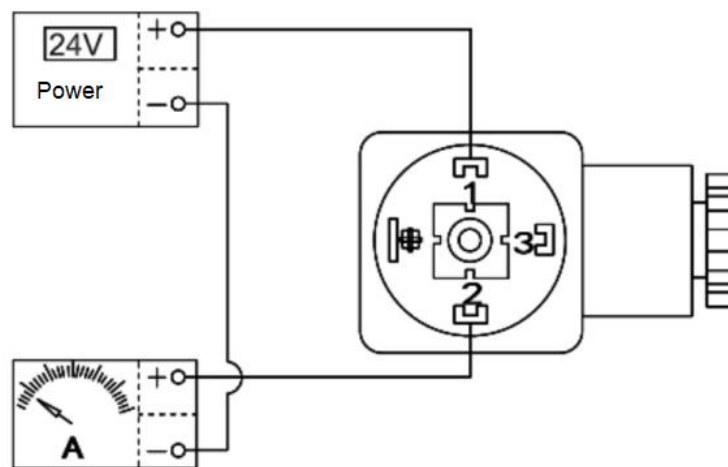
Features

- Compact structure and easy installation
- High stability and reliability
- 316L Stainless steel isolation diaphragm
- Wide range to measure absolute, gauge and seal pressure
- Advanced diaphragm/Oil-filled Isolation technology

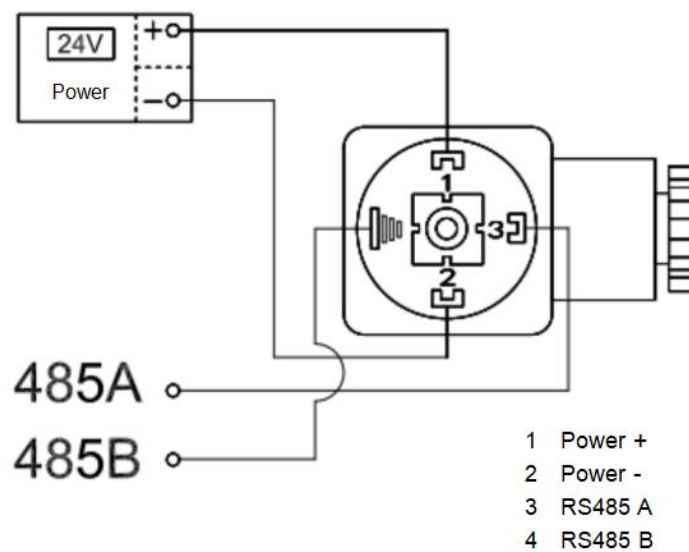
**SIN-P350K**

Parameters	
Power supply	12-36V (4...20mA,0...10V);12-30V (RS485)
Pressure type	Gauge pressure, Absolute pressure,Sealed pressure
Accuracy	0.5% F.S
Output signal	4...20mA; 1...5V; 0...10V; 0...5V; RS485
Temperature compensation	-10...70 °C
Working temperature	-20...85 °C
Medium temperature	-30...105°C
Storage temperature	-40...125°C
Full-scale output temperature drift	±0.3%FS/10°C
Zero point temperature drift	±0.3%FS/10°C
Long-term stability	± 0.2%FS/year
Overload pressure	150%FS
Insulation	100MΩ, 250VDC
Ingress protection	IP65
Load resistance	(U-9V)/0.02A
Measure range(≥10MPa)	-0.1...0...3.5MPa(Clamp connection) -0.1...0...10MPa(Thread connection)
Response time	≤10ms(Current output) ≤25ms(Voltage output) ≤100ms(RS485output)

Wiring

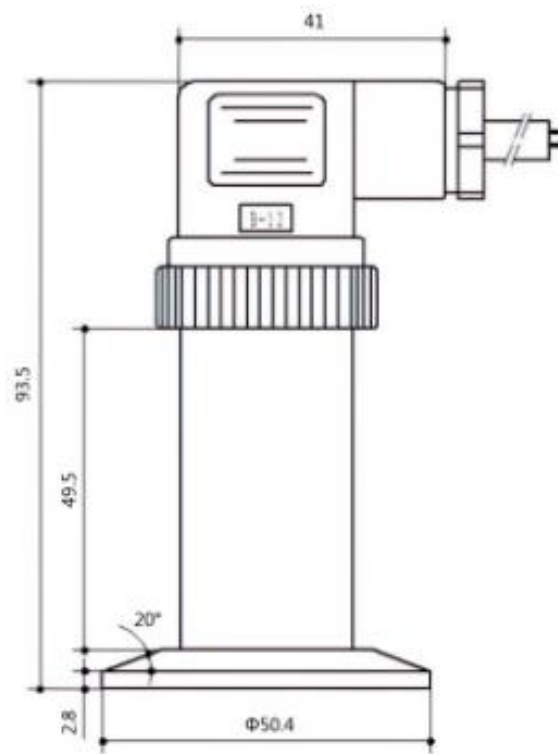


- 1 Power +
- 2 Power -
- 3 Output



- 1 Power +
- 2 Power -
- 3 RS485 A
- 4 RS485 B

Dimension



DIN clamp flush diaphragm

Ordering code

SIN-P350K-G-RTXX-J5-O0-DT0-V1-DT1-V1-D0-V1-EI1-CF0-DM1-HM1-IP1-CS2														Description
SIN-P350K	-	-	-	-	-	-	-	-	-	-	-	-	-	
Type	P350K													Clamp flush diaphragm pressure transmitter
	P350K-C													Clamp flush diaphragm pressure transmitter
Pressure	G													Gauge pressure
	A													Absolute pressure
	S													Seal pressure
Range		RT(												-0.1MPa...0 ~ 10kPa...3.5MPa
		XX-												
		XX)												
Accuracy			J5											0.5%FS
Transmission				O0										No
				O1										(4~20) mA
				O2										(1~5) V
				O3										(0~10) V
				O4										(0~5) V
				OZ										
				1										(20~4) mA
				OZ										(0.5~4.5) V
				2										
				OZ										(0.5~2.5) V
				3										
Display				DT										No
				0										
Power supply				DT										DIN LCD
				1										
Communication					V1									24VDC
					V5									5VDC
Installation						D0								No
						D2								RS485
Electrical connector							I1							Φ50.5Clamp
							IZ							Other
Electrical connector								EI1						DIN
								EI3						Cable
								EI4						M12

Cooling fins	CF0			No
	CF1			3
	CF2			5
	CF3			7
Diaphragm	DM1			316L
Shell material		HM1		304(standard)
		HM2		316L
Ingress protection			IP1	IP65
Cable length			CS2	2m(standard)
			CSX X	xm