

X-100P Flat embedded diaphragm type

Feature

- ★ Range: -100kpa~0 & 0~20kpa~35bar.
- ★ Hygienic design, complying with CIP-SIP cleaning requirements.
- ★ Multiple Process connection optional.
- ★ Multiple output signals optional.
- ★ Multiple electrical connections.
- ★ Superior long term stability, strong antiinterference ability.

Dimension and capacity can be customized by request.

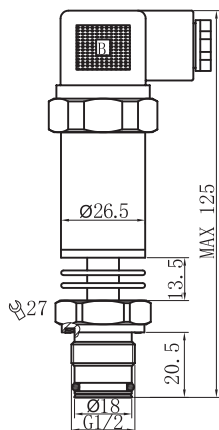
Technical specifications

Product Performance	
Long-Term Stability	±0.2%FS/year(Not cumulative)
Accuracy	±0.25%FS, ±0.5%FS(Optional)
P201 Temp.Effect	1.5FS/100°C
Comp.Temp.	-20°C~80°C
Working Temp.	
Non-Display	-40°C~85°C
LCD	-20°C~70°C
Measuring Medium Temp.	
Filled Silicone Oil	-40°C~125°C
	-40°C~250°C(Adding connectors)
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤30ms
Fatigue Life	设计超过1亿次/More than 100 million designs
Physical Characteristics	
Pressure Interface	See Ordering Guide
P201 Contact Parts	SS316L
Electrical Interface	See Ordering Guide
Shell Material	SS304
Shell Protection	IP65/IP67
Shock	EC 68-2-27 procedure I
Vibration	10g, 25-2000Hz
Weight	About 200g
Environmental Data	
Certification	CE, RoHS

Voltage Output	
Output (3-wire)	Min 0V to max 10V
Power Supply	Over full range output 4V, max 30Vdc
Current Output	
Output (2-wire)	4-20mA, 4-20mA+HART 2-wire
Power Supply	10-30Vdc

Range	Proof Pressure(×FS)	Burst Pressure(×FS)
Kpa / bar	X-100P	X-100P
Vacuum	5.0×FS	10.0×FS
40~100kpa	2.0×FS	5.0×FS
200kpa~35bar	2.0×FS	3.0×FS

Type	Terminal	Current signal	Voltage signal	Voltage signal	Modbus-RTU	Cable Colour
M12	1	+ve Supply	+ve Supply	+ve Supply	+ve Supply	Brown
	2		0V Com	-ve Output	-ve Supply	white
	3	+ve Output	+ve Output	+ve Output	A+	Blue
	4			-ve Supply	B-	Black
DIN	1	+ve Supply	+ve Supply	+ve Supply	+ve Supply	Red
	2	+ve Output	+ve Output	-ve Supply	-ve Supply	Black
	3		0V Com	+ve Output	A+	Blue
	GND			-ve Output	B-	white

Dimensional Drawings (mm)

Ordering guide

Model : X-100P -①②③④⑤⑥

Attention	①	②	③	④	⑤	⑥
1, 4PIN Standardized 2m Cable Line	Range	Process connection	Output	Electrical connection	Radiator	Accuracy
2, Direct lead with 1 m cable	Range K=kPa B=bar M=MPa	2G *=G1/4 * 4G=G1/2 6G=G3/4 8G=G1** 20M=M20×1.5XX * = Other **	4A=4~20mA 4AX=4-20mA+LCD With Display 10V=0~10V	2D=DIN43650 Hirschmann 4P= 4pin xE= Direct lead x meter 8L=2088 Aluminium shell	=135°C No radiator 5S=150°C 5 radiators 10S=200°C 10 radiators	= ±0.5%FS 2= ±0.25%FS
3, Voltage output is not optional with 8L						
4, Can only be selected with 2D, 8L						
5, With**, please contact the technician						