

X-100CY-S Compact differential pressure



Feature

- ★ Range: 0~5kpa~60bar.
- ★ High performance diffused silicon core.
- ★ Compact design.
- ★ Multiple output signals optional.
- ★ Multiple electrical connections, superior long term stability.

Dimension and capacity can be customized by request.

Technical specifications

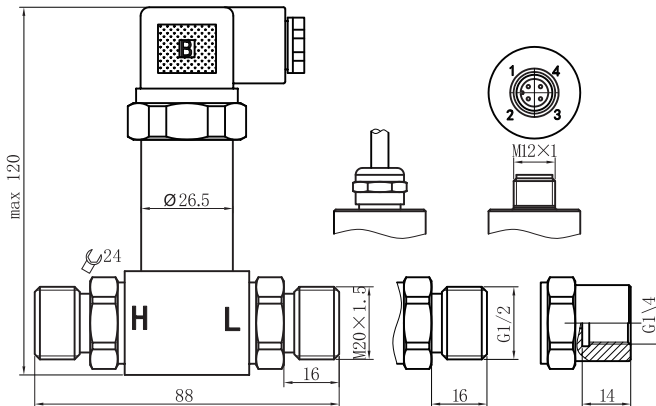
Product Performance	
Long-Term Stability	±0.2%/year(Not cumulative)
Accuracy	±0.25%FS, ±0.5%FS(Optional)
P201 Temp.Effect	1.5FS/100°C
Comp.Temp.	-20°C~80°C
Working Temp.	
Non-Display	-40°C~85°C
LCD	-20°C~70°C
Measuring Medium Temp.	
Filled Silicone Oil	-40°C~125°C
	-40°C~150°C(Adding connectors)
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤30ms
Fatigue Life	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 800g
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 2-wire
Power Supply	10-30Vdc

Range	Proof Pressure(xFS)	Burst Pressure(xFS)
Kpa / bar	X-100CY-S	X-100CY-S
5~1000bar	2.0×FS	5.0×FS
200kpa~100Mpa	2.0×FS	3.0×FS
200bar~700bar	1.5×FS	2.0×FS

Type	Terminal	wire	wire	wire	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-100CY-S- ①②③④⑤

	①	②	③	④	⑤
Attention	Range	Process connection	Output	Electrical connection	Accuracy
1.4PIN Standardized 2m Cable Line	Range K=kPa B=bar M=MPa	2G(F)=G1/4 (Internal thread) 2G=G1/4 4G=G1/2 2N=1/4NPT 4N=1/2NPT 14M=M14×1.5 20M=M20×1.5XX *= Other *	4A=4~20mA 4AX=4-20mA+LCD With Display 10V=0~10V	2D=DIN43650 Hirschmann 4P=M12 4pin xE= Direct lead x meter	=±0.5 %FS 2=±0.25 %FS
2.Direct lead with 1 m cable					
3.4AX/LCD can only be selected with 2D					
4. With "**", please contact the technician					

Applications

It is used for differential pressure measurement of various gases and liquids in water pumps, compressors, water supply pipelines and other occasions.