X-100K Sanitary type

Dimension and capacity can be customized by request.

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.

Technical specifications

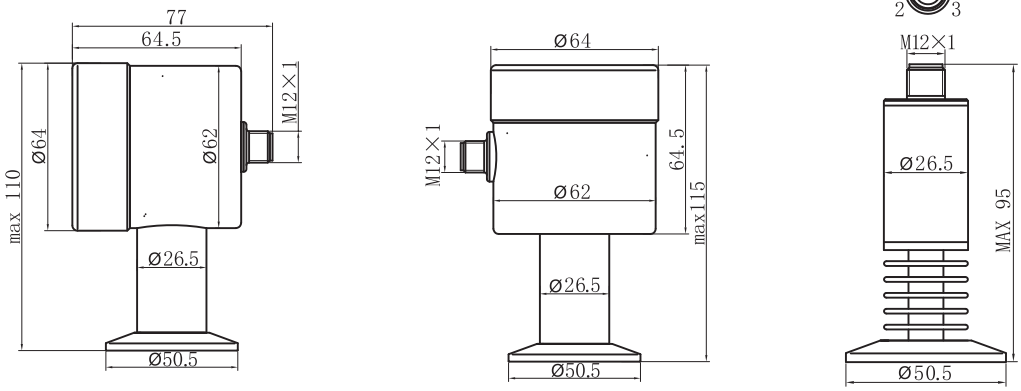
Product Performance		
	Long-Term Stability	±0.2%FS/year(Not cumulative)
	Accuracy	±0.25%FS、±0.5%FS(Optional)
	P201 Tem .Effect p	1.5FS/100℃
	Comp.Temp.	-20℃~80℃
	Working Temp.	
	Non-Display	-40℃~85℃
	LCD	-20℃~70℃
	Measuring Medium Temp.	
	Filled Silicone Oil	-40℃~125℃
		-40℃~250℃(Adding connectors)
	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、HC、MON、PTEF
	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 350g
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
	Digital Output	
	Output (4-wire)	Modbus-RTU/RS485 4-wire
	Power Supply	12-30Vdc

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

					Modbus-RTU	
Type	Terminal	Current signal	Voltage signal	Voltage signal	RS485	Cable Colour
M12 *1	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-100K-①②③④⑤⑥⑦⑧

	①	②	③	④	⑤	⑥	⑦	⑧
Attention	Range	Process connection	Output	Electrical connection	Radiator	Process material	Accuracy	ATEX
1、4PIN standardized 2m cable line 2、Direct lead with 1 m cable 3、Voltage output can only be selected with 2D\4P\xE 4、With"*",please contact the technician	Range K=kPa B=bar M=MPa	1TC=1" damp 1.5TC=1.5" clamp 2TC=2" damp 25S=DN25 Joint nut 32D=DN32 PN16 flange	4A=4~20mA 4AX=4-20mA+LCD /With Display 4HX=4-20mA+Hart With Display 5CX=RS485 With Display 10V=0~10V	2D=DIN43650 Hirschmann 4pinxE= Direct lead x meter 3Z=Axial Steel Shell 3J=Radial Steel Shell 8L=Aluminium shell	=135℃ No radiator 5S=150℃ 5 radiators 10S=200℃ 10 radiators	=SS316L HC= Harrington alloy C MON= Monel 6L4F=SS316L PTEF/ Spray PTEF	=±0.5 %FS 2=±0.25 %FS	= No explosion proof EP4= Intrinsically safe type EP6= Flameproof type

Applications

It is used for pressure or liquid level measurement in food and drug production equipment and pipelines.