

SSM-P211V

螺纹卫生型压力变送器/Thread hygienic pressure transmitter

- 压力量程/Range : -100kpa~0 & 0~20kpa~35bar
- 卫生级设计/Hygienic design
- 符合/conforms to EHEDG、FDA、GMP
- 多种安装接口可选/Multiple Process connection optional
- 多种输出信号可选/ Multiple output signals optional
- 多种电气连接方式/Multiple electrical connections
- 长期稳定性好/Superior long term stability
- 抗干扰能力强/Strong antiinterference ability



技术规格/Technique parameter

产品性能/Product Performance

长期漂移/Long-Term Stability	±0.2%FS/year (不累计/Not cumulative)
精度/Accuracy	±0.25%FS、±0.5%FS(可选/Optional)
温度影响/Temp.Effect	1.5FS/100°C
补偿温度/Comp.Temp.	-20°C~80°C
工作温度/Working Temp.	
非显示/Non-Display	-40°C~85°C
带液晶显示/LCD	-20°C~70°C
测量介质温度/Measuring Medium Temp.	
充硅油/Filled Silicone Oil	-40°C~125°C
	-40°C~250°C (加缓冲连接器/Adding connectors)
零点允差/Zero Error	±1%FS
满程允差/Span Error	±1%FS
响应时间/Response Time	≤30ms
疲劳寿命/Fatigue Life	设计超过1亿次/More than 100 million designs

物理特征/Physical Characteristics

安装接口/Pressure Interface	参见订购指南/See Ordering Guide
接液部件/Contact Parts	SS316L
电气接口/Electrical Interface	参见订购指南/See Ordering Guide
外壳材质/Shell Material	SS304
外壳防护/Shell Protection	IP65/IP67
抗冲击/Shock	EC 68-2-27 procedure I
抗振动/Vibration	10g, 25-2000Hz
重量/Weight	约200克/About 200g

环境数据/Environmental Data

认证/Authentication	CE、RoHS、Ex
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特有技术规格/Specific technical specifications

电压输出/Voltage Output

输出 (3线) /Output (3-wire)

最小0V至最大10V/Min 0V to max 10V

供电电压/Power Supply

高于满量程输出4V, 最大30Vdc

Over full range output 4V, max 30Vdc

电流输出/Current Output

输出 (2线) /Output (2-wire)

4-20mA、4-20mA+HART (2线) /2-wire

供电电压/Power Supply

10-30Vdc

数字输出/Digital Output

输出 (4线) /Output (4-wire)

Modbus-RTU/RS485 (4线) /4-wire

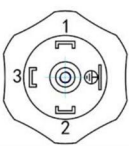
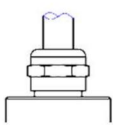
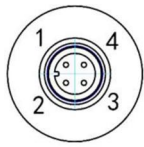
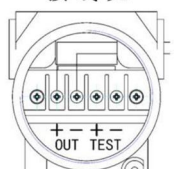
供电电压/Power Supply

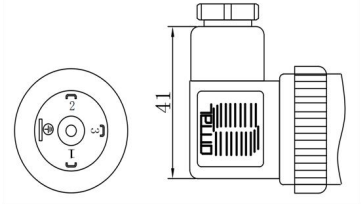
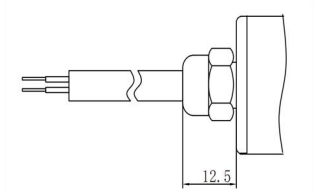
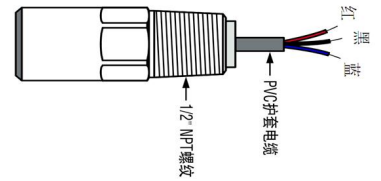
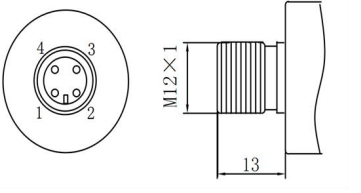
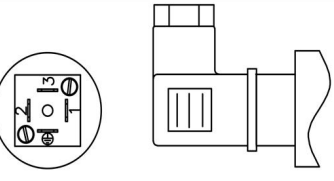
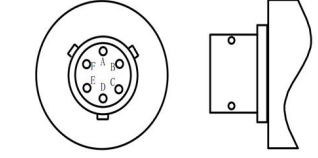
12-30Vdc

压力特性/Pressure feature

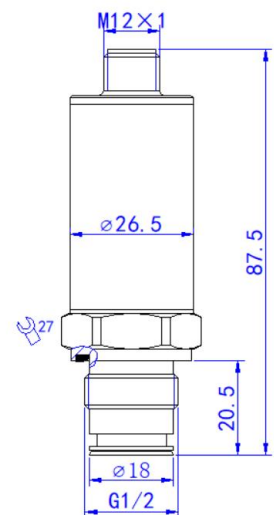
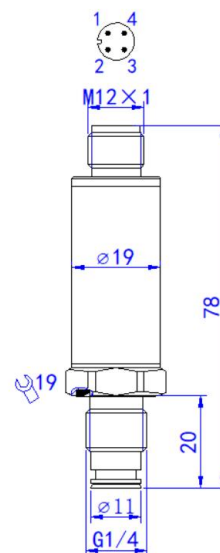
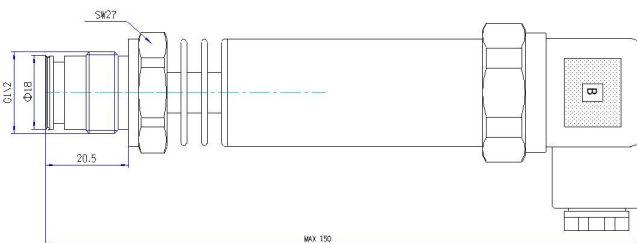
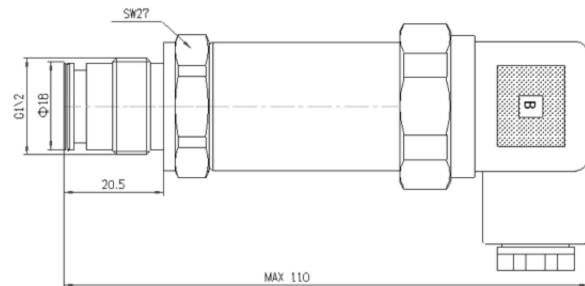
压力范围/Range Kpa / bar	耐压/Proof Pressure (×FS)	破裂压/Burst Pressure (×FS)
	SSM-P211V	SSM-P211V
真空/Vacuum	3.0×FS	5.0×FS
40~100kpa	2.0×FS	5.0×FS
200kpa~35bar	2.0×FS	3.0×FS

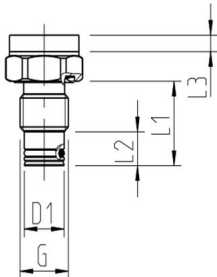
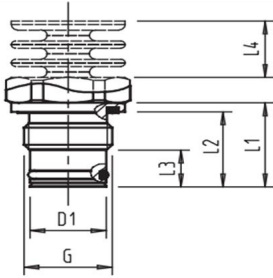
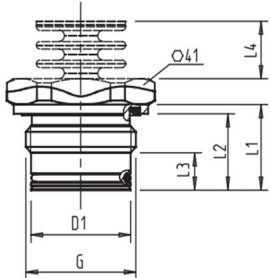
接线定义/Wiring Definition

插件示意图 Plugin diagram	插件脚位 Foot position	线缆颜色 Cable color	电流输出 Current output	电压输出 Voltage Output	RS485 Modbus RTU
DIN 	1	红 (Red)	E+电源/Supply	E+电源/Supply	E+电源/Supply
	2	黑 (Black)	S+输出/Output	E-/S-共负/Com	E-电源/Supply
	3	蓝 (Blue)		S+输出/Output	RS485 A
	⊥	白 (White)			RS485 B
直接出线 		红 (Red)	E+电源/Supply	E+电源/Supply	E+电源/Supply
		黑 (Black)	S+输出/Output	E-/S-共负/Com	E-电源/Supply
		蓝 (Blue)		S+输出/Output	RS485 A
		白 (White)			RS485 B
M12*1 	1	棕 (Brown)	E+电源/Supply	E+电源/Supply	E+电源/Supply
	2	白 (White)			RS485 B
	3	蓝 (Blue)	S+输出/Output	S+输出/Output	RS485 A
	4	黑 (Black)		E-/S-共负/Com	E-电源/Supply
接线壳 	OUT+		E+电源/Supply	E+电源/Supply	E+电源/Supply
	OUT-		S+输出/Output		E-电源/Supply
	TEST+			S+输出/Output	RS485 A
	TEST-			E-/S-共负/Com	RS485 B

		
DIN43650 代码: 2D	格兰引线/Glan lead 代码xE	隔爆型直接出线/Flameproof direct outlet
		
M12航空插件/M12 aviation plug-in 代码: 4P	工业连接器/Industrial connector 代码1D	6芯航空插件/6-core aviation plug-in 代码6P

外型尺寸/External dimensions



单位: mm	隔膜/The diaphragm						隔膜/The diaphragm						隔膜/The diaphragm					
																		
	代码/Code	2G	L1	L2	L3	D1		4G	L1	L2	L3	L4	D1	8G	L1	L2	L3	L4
尺寸/Size	G1/4	20	8	3.9	10.9		G1/2	23	20.5	10	15.5	18	G1	23	20.5	10	15.5	30

平嵌隔膜式压力变送器 (SSM-P211V)

型号表示: SSM-P211V-①②③④⑤⑥

系列号 Series	①压力范围 Range	②安装接口 Process connection	③输出信号 Output	④电气接口 Electrical connection	⑤散热装置 Radiator	⑥精度 Accuracy	参数描述 Parameter description	
SSM-P211V								
	范围/Range K B M						压力数值/Pressure value KPa Bar MPa	
		2G * 4G 6G 8G 20M XX *					G1/4 * G1/2 G3/4 G1寸 M20×1.5 其他规格/Other *	
注意事项/Attention: 1、4PIN标配2米电缆线 4PIN Standardized 2m Cable Line 2、直接引线标配1米电缆线 Direct lead with 1 m cable 3、电压输出不选配8L选项 Voltage output is not optional with 8L 4、带显示只能选配2D\3Z\3J\8L选项 4AX/LCD can only be selected with 2D\3Z\3J\8L 5、带 “*” 号请联系技术人员 With"*",please contact the technician 6、后缀代码 -DW=电位器调零; -AJ=按键清零			4A 4AX 10V				4-20mA两线制/搭线清零 4-20mA+LCD显示/With Display 0-10V三线制/3-wire	
				2D 4P xE 8L				DIN43650赫斯曼/Hirschmann 四芯M12连接器/4pin 直接引线X米/Direct lead x meter 2088铝外壳/Aluminium shell
					2S 5S 10S			85℃,无散热槽 135℃, 2片散热槽/3 radiator 150℃, 5片散热槽/5 radiators 200℃, 10片散热槽/10 radiators
						2		±0.5%FS ±0.25%FS