

SSM-P211

卫生型压力变送器/Hygienic pressure transmitter

- 压力量程/Range : -100kpa~0 & 0~20kpa~35bar
- 卫生级设计/Hygienic design , conforms toEHEDG、FDA、GMP
- 符合CIP-SIP清洗要求/Complying with CIP-SIP cleaning requirements
- 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、HC、MON、PTFE
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350克/About 350g

环境数据/Environmental Data

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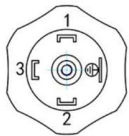
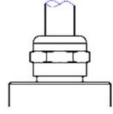
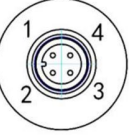
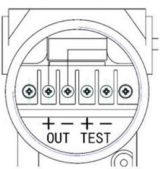
特有技术规格/Specific technical specifications

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

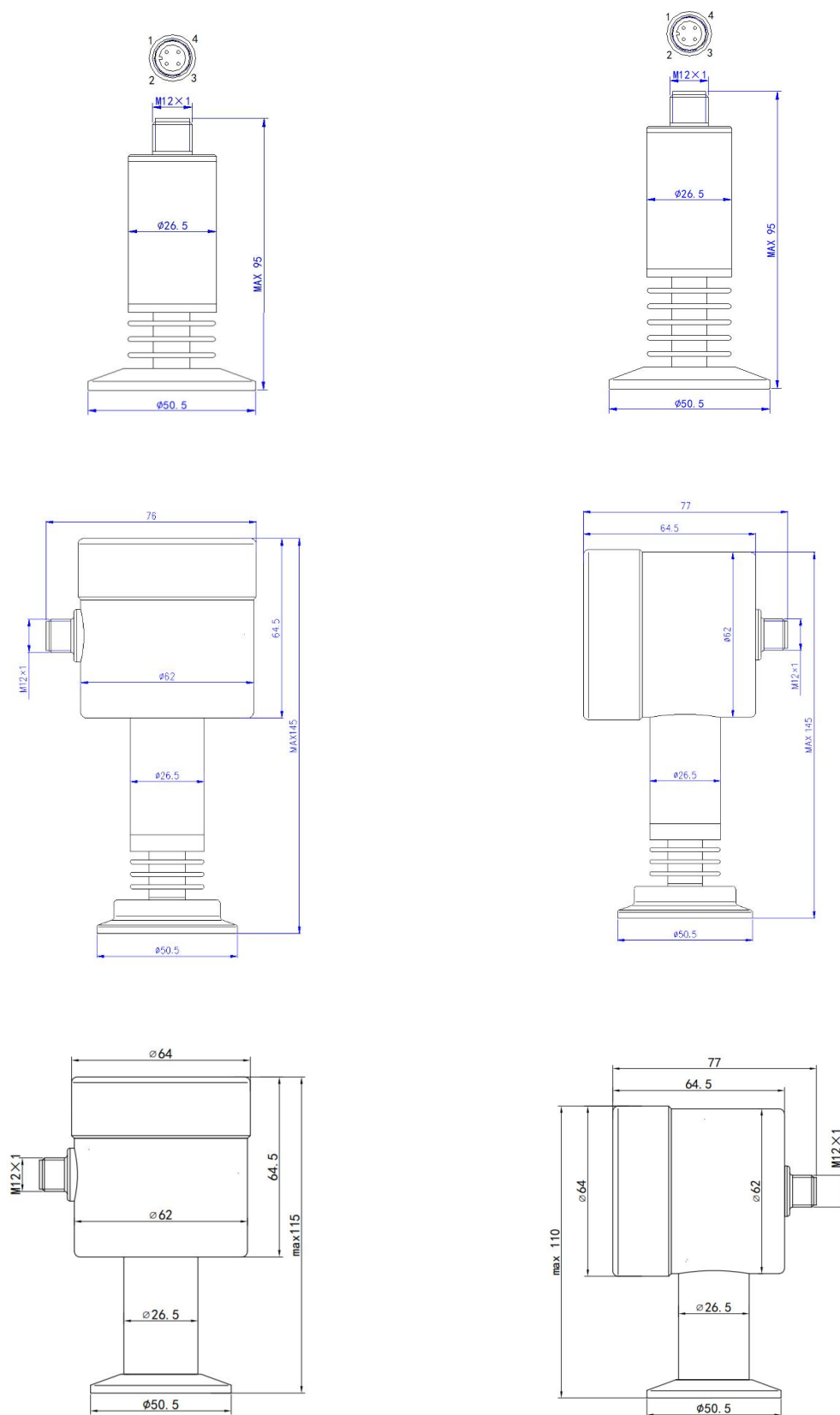
压力特性/Pressure feature

压力范围/Range Kpa / bar	耐压/Proof Pressure (×FS)	破裂压/Burst Pressure (×FS)
	SSM-P211	SSM-P211
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

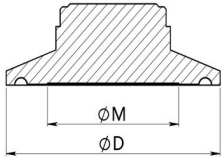
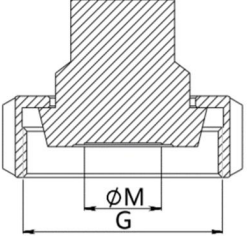
接线定义/Wiring Definition

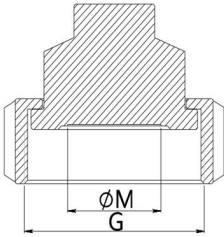
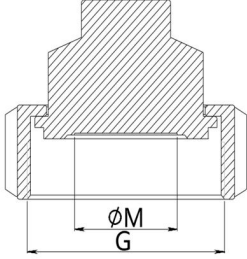
插件示意图 Plugin diagram	插件脚位 Foot position	线缆颜色 Cable color	电流输出 Current output	电压输出 Voltage Output	RS485 Modbus RTU
	1	红 (Red)	E+电源/Supply	E+电源/Supply	E+电源/Supply
	2	黑 (Black)	S+输出/Output	E-/S-共负/Com	E-电源/Supply
	3	蓝 (Blue)		S+输出/Output	RS485 A
	⊥	白 (White)			RS485 B
		红 (Red)	E+电源/Supply	E+电源/Supply	E+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

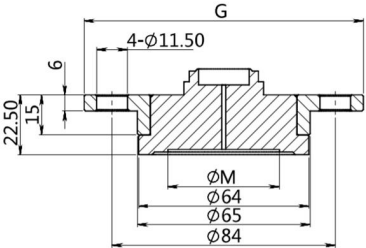
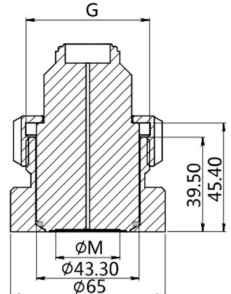
外型尺寸/External dimensions



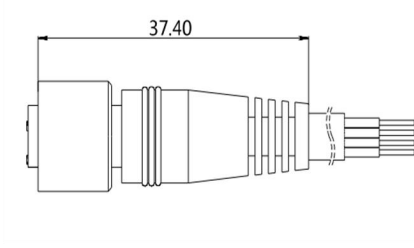
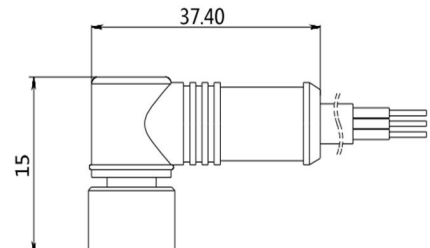
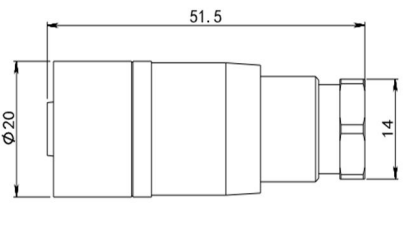
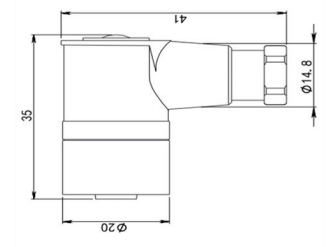
安装接口/Process connection

单位: mm	卡箍/Clamp				槽顶螺母/Slotted nut DIN11851				
									
标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter	标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter
Tri-Clamp	1 "	1TC	50.5	22.1	DIN11851	DN25	25S	Rd 52×1/6	20
Tri-Clamp	1-1/2 "	1.5TC	50.5	34.8	DIN11851	DN40	40S	Rd 65×1/6	31
Tri-Clamp	2 "	2TC	64	47.5	DIN11851	DN50	50S	Rd 78×1/6	42
Tri-Clamp	2-1/2 "	2.5TC	77.5	60.2					
DIN32676	DN32	32D	50.5	31					
DIN32676	DN40	40D	50.5	37					
DIN32676	DN50	50D	64	49					

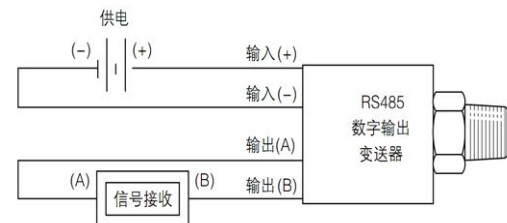
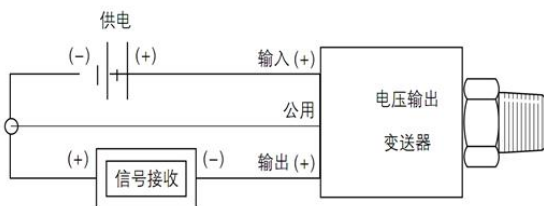
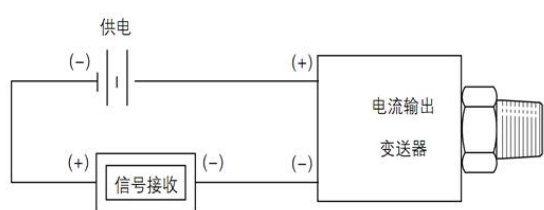
单位: mm	槽顶螺母/Slotted nut SMS				槽顶螺母/Slotted nut IDF				
									
标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter	标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter
SMS	1-1/2 "	1.5SM	Rd 60×1/6	31	IDF	1-1/2 "	1.5ID	IDF 1-1/2 "	20
SMS	2 "	2SM	Rd 70×1/6	42	IDF	2 "	2ID	IDF 2 "	31

单位: mm	法兰/Flange DRD								
									
标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter	标准 Standard	规格 Specifications	代码 Code	尺寸ΦD Size	波纹直径ΦM Diameter
DRD	DN50	50DRD	105	42	---	---	1SM	Rd 52×1/6	27

配件/Accessory

	
M12四芯航空母插头直头（注塑配线） 代码：4P	M12四芯航空母插头弯头（注塑配线） 代码：4PW
Straight head of M12 four core aviation bus plug (injection line)	M12 four core aviation bus plug elbow (injection line)
	
M12四芯航空母插头直头（无配线） 代码：4P	M12四芯航空母插头弯头（无配线） 代码：4PW
Straight head of M12 four core aviation bus plug (without wiring)	M12 four core aviation bus plug elbow (without wiring)

接线示意图/Wiring diagram



卫生型压力变送器 (SSM-P211)

型号表示: SSM-P211-①②③④⑤⑥⑦⑧

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接液材质 Process material	⑦精度 Accuracy	⑧防爆认证 ATEX	参数描述 Parameter description
SSM-P211									
	范围/Range K B M								压力数值/Pressure value KPa Bar MPa
		0TC 1TC 1.5TC 2TC 25S 40S 50S 32D XX *							1/2"卡箍/clamp 1"卡箍/clamp 1.5"卡箍/clamp 2"卡箍/clamp DN25联合螺母/Joint nut DN40联合螺母/Joint nut DN50联合螺母/Joint nut DN32 PN16 法兰/flange 其他规格/Other *
			4A 4AX 4HX 5CX 10V						4-20mA两线制/搭线清零 4-20mA+LCD显示/With Display 4-20mA+Hart带显示/With Display RS485带显示/With Display 0-10V三线制/3-wire
				2D 4P xE 3Z 3J 8L					DIN43650赫斯曼/Hirschmann 四芯M12连接器/4pin 直接引线X米/Direct lead x meter 轴向钢外壳/Axial Steel Shell 径向钢外壳/Radial Steel Shell 2088铝外壳/Aluminium shell
注意事项/Attention: 1、4PIN标配2米电缆线 4PIN Standardized 2m Cable Line									85℃,无散热槽
2、直接引线标配1米电缆线 Direct lead with 1 m cable						3S 5S 10S			135℃, 3片散热槽/3 radiator 150℃, 5片散热槽/5 radiators 200℃, 10片散热槽/10 radiators
3、电压输出只能选配2D\4P\xE选项 Voltage output can only be selected with 2D\4P\xE									
4、带显示只能选配2D\3Z\3J\8L选项 4AX /LCD can only be selected v 4HX、5CX/LCD can only be selected with 3Z\3J\8L						空 HC * MON * 6L4F *			SS316L 哈氏合金C/Harrington alloy C 蒙乃尔/Monel SS316L喷PTEF/ Spray PTEF
5、带 " *" 号请联系技术人员 With " * ",please contact the technician							2		±0.5%FS ±0.25%FS
6、后缀代码 -DW=电位器调零; -AJ=按键清零 Suffix code DW=potentiometer zero adjustment; AJ=button reset									无防爆/No explosion proof 本安型/Intrinsically safe type 隔爆型/Flameproof type

注意事项/Attention:

- 4PIN标配2米电缆线
4PIN Standardized 2m Cable Line
- 直接引线标配1米电缆线
Direct lead with 1 m cable
- 电压输出只能选配2D\3Z\3J\8L选项
Voltage output can only be selected with 2D\4P\xE
- 带显示只能选配2D\3Z\3J\8L选项
4AX /LCD can only be selected v
4HX、5CX/LCD can only be selected with 3Z\3J\8L
- 带 "*" 号请联系技术人员
With "*", please contact the technician
- 后缀代码 -DW=电位器调零; -AJ=按键清零
Suffix code DW=potentiometer zero adjustment; AJ=button reset