

SSM-P221C

直杆型液位变送器/ Rod type level transmitter

- 测量范围/Range: 0~0.2mH₂O~20mH₂O
- 多种投入式探头形式/Various types of input probe
- 多种安装接口可选/Multiple Process connection optional
- 多种输出信号可选/ Multiple output signals optional
- 长期稳定性好/Superior long term stability
- 防浪涌设计/Anti-surge design
- 防雷击设计/Lightning protection design
- 防短路设计/Short circuit protection design



技术规格/Technique parameter

产品性能/Product Performance

长期漂移/Long-Term Stability	±0.1%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	-20°C~85°C
带液晶显示/LCD	-20°C~60°C
零点允差/Zero Error	±1%FS
满程允差/Span Error	±1%FS
响应时间/Response Time	≤50ms
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
电气接口/Electrical Interface	参见订购指南/See Ordering Guide
接液材质/Solution Material	SS304、SS316L、聚四氟乙烯/PTEF(可选/Optional)
外壳材质/Shell Material	参见订购指南/See Ordering Guide
防护等级/Protection Level	探头及电缆/Probe and cable:IP68; 外壳/Shell:IP65、IP67
抗冲击/Shock	EC 68-2-32 procedure I
抗振动/Vibration	40g, 20-2000Hz
重量/Weight	根据实际产品/According to physical object

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 (2线) /2-wire
供电电压/Power Supply	10-30Vdc

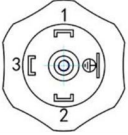
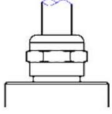
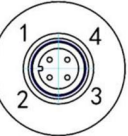
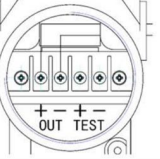
数字输出/Digital Output

输出 (4线) /Output (4-wire)	Modbus-RTU/RS485 (4线) /4-wire
供电电压/Power Supply	10-30Vdc

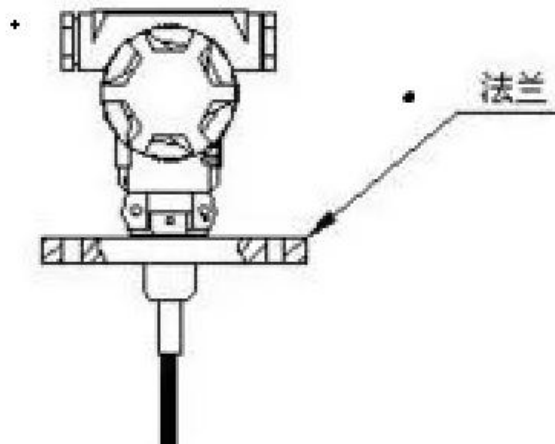
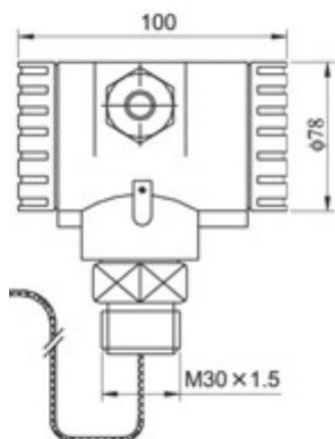
压力特性/Pressure feature

压力范围/Range mH ₂ O	耐压/Proof Pressure (×FS)	破裂压/Burst Pressure (×FS)
	P221C	P221C
0.2~2mH ₂ O	1.5×FS	3.0×FS
3~20mH ₂ O	1.5×FS	2.0×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



直杆型液位变送器 (SSM-P221C)

型号表示: SSM-P221C-①②/③-④⑤⑥⑦⑧

系列号 Series	①测量范围 Measuring Range	②直杆直径 Rod Diameter	③直杆长度 Rod Length	④输出信号 Output	⑤安装方式 Process connection	⑥电气接口 Electrical connection	⑦接液材质 Process material	⑧精度 Accuracy	参数描述 Parameter description
SSM-P221C	范围/Range MH	6 8 XX	长度/Length MM M	4A 4AX 10V 5C 5CX	1.5TC 2TC 25D10P XX *	2D 4P xE 3Z 8L	4F 6L XX *	2	量程数值/Span Value mH2O 6mm直径/Diameter 8mm直径/Diameter 其他规格 * 长度数值/Length value 毫米/mmH2O 米/mH2O 4-20mA两线制/2-wire 4-20mA+LCD显示/With Display 0-10V三线制/3-wire Modbus-RTU/RS485 RS485带显示/With Display 1.5"卡箍/clamp 2"卡箍/clamp DN25 PN10 法兰/flange 其他规格/Other * 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 2088铝外壳/Aluminium shell SS304标准/Standard 聚四氟乙烯/PTEF Teflon SS316L 其他规格/Other * ±0.5%FS ±0.25%FS

注意事项/Attention:

- 电压输出只能选配2D\4P\xE选项
Voltage output can only be selected with 2D\4P\xE
- 带显示只能选配2D\3Z\8L选项
4AX/LCD can only be selected with 2D\3Z\8L
- 带 "*" 号请联系技术人员
With "*", please contact the technician