

SSM-P221

缆式分体式液位变送器/ Cable split level transmitter

- 测量范围/Range: 0~0.5mH₂O~300mH₂O
- 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	1/2-14NPT
探头材质/Probe Material	
P221V\ P221S\ P221	SS304、SS316L(可选/Optional)
P221F	SS316L、聚四氟乙烯/PTEF、陶瓷/Ceramics(可选/Optional)
电缆材质/Cable Material	参见订购指南/See Ordering Guide
外壳材质/Shell Material	铝合金喷涂聚氨酯/Aluminum alloy for polyurethane
防护等级/Protection Level	探头及电缆/Probe and cable:IP68; 外壳/Shell: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

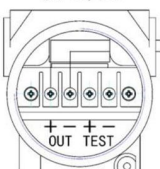
数字输出/Digital Output

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

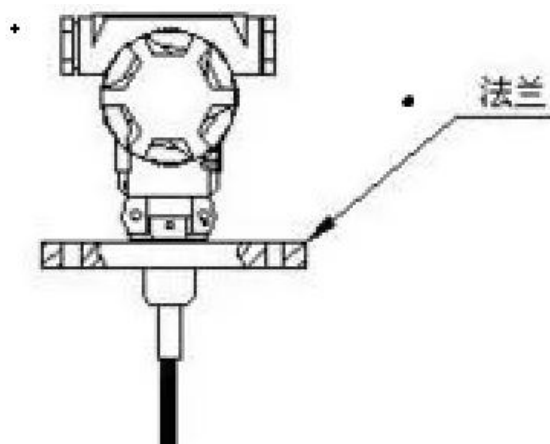
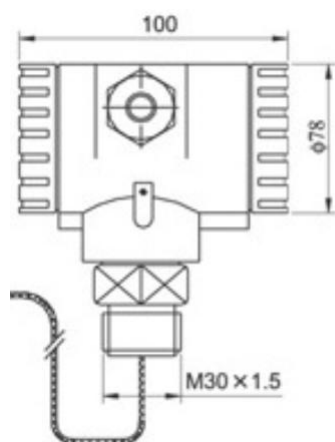
压力特性/Pressure feature

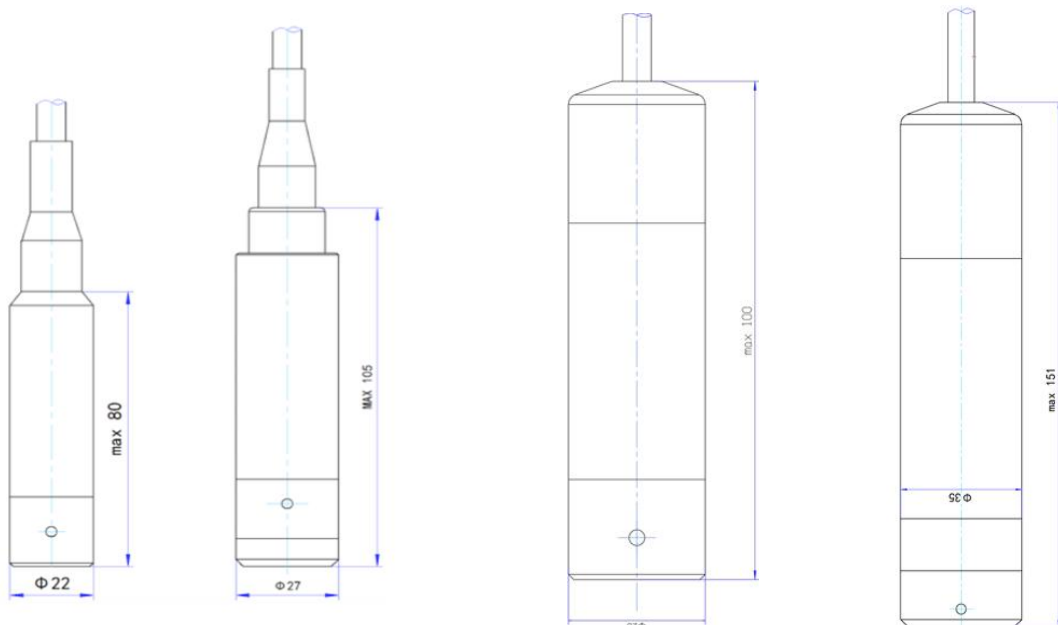
压力范围/Range mH ₂ O	耐压/Proof Pressure (×FS)		破裂压/Burst Pressure (×FS)	
	P221V	P221S	P221	P221F
0.5~10mH ₂ O	1.5×FS		3.0×FS	3.0×FS
15~100mH ₂ O	1.5×FS		3.0×FS	3.0×FS
120~300mH ₂ O	1.2×FS		2.0×FS	1.5×FS
> 300mH ₂ O	1.2×FS		2.0×FS	1.5×FS

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
	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





SSM-P221V

SSM-P221S

SSM-P221

SSM-P221F

缆式分体式液位变送器 (SSM-P221)

型号表示: SSM-P221-①②③④⑤⑥

系列号 Series	①测量范围 Measuring Range	②输出信号 output Signal	③电缆长度 Cable length	④电缆材质 Cable Material	⑤安装接口 Process connection	⑥精度 Accuracy	参数描述 Parameter description
SSM-P221V	范围/Range MH	4A 4AX 5C 5CX	长度/Length XX	PE 4F	8G 1.5TC 2TC 36M 25D10P XX *	2	微型探头/Miniature probe
SSM-P221S							经济型探头/Economical probe
SSM-P221							标准型/Standard probe
SSM-P221F							防腐型/Anticorrosive probe
							量程数值/Span Value mH2O
							4-20mA两线制/2-wire 4-20mA+LCD显示/With Display Modbus-RTU/RS485 RS485带显示/With Display
							长度数值/Length value 米/m
							标准/Standard 聚乙烯/LDPE 聚四氟乙烯/PTEF Teflon
							G1"螺纹/Thread 1.5"卡箍/clamp 2"卡箍/clamp M36*2螺纹/Thread DN25 PN10 法兰/flange 其他规格/Other *
							±0.5%FS ±0.25%FS

注意事项/Attention:

- 只提供2088铝合金外壳形式
Only 2088 Aluminum shell
- 带 "*" 号请联系技术人员
With "*", please contact the technician