

SSM-P200

陶瓷压阻型压力变送器/Ceramic piezoresistive pressure transmitter

- 压力量程/Range : 0~2bar~400bar
- 高性能陶瓷芯体/High performance ceramic core
- 紧凑型设计/Compact design
- 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	±0.5%FS、±1.0%FS(可选/Optional)
温度影响/Temp.Effect	2%FS/100°C
补偿温度/Comp.Temp.	-20°C~80°C
工作温度/Working Temp.	-30°C~85°C
零点允差/Zero Error	±0.5%FS
满程允差/Span Error	±0.5%FS
响应时间/Response Time	≤5ms
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	SS304、陶瓷/Ceramics
电气接口/Electrical Interface	参见订购指南/See Ordering Guide
外壳防护/Shell Protection	IP65/IP67
抗冲击/Shock	IEC 68-2-32 procedure I
抗振动/Vibration	100g , 20-2000Hz
重量/Weight	约35克/About 35g

环境数据/Environmental Data

认证/Authentication	CE、RoHS
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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

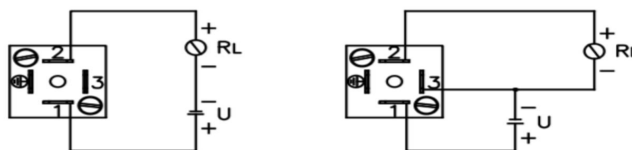
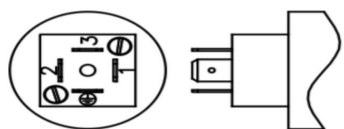
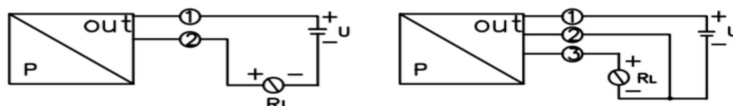
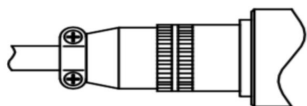
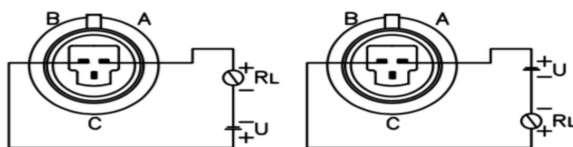
输出 (2线) /Output (2-wire)	4-20mA (2线) /2-wire
供电电压/Power Supply	10-30Vdc

压力特性/Pressure feature

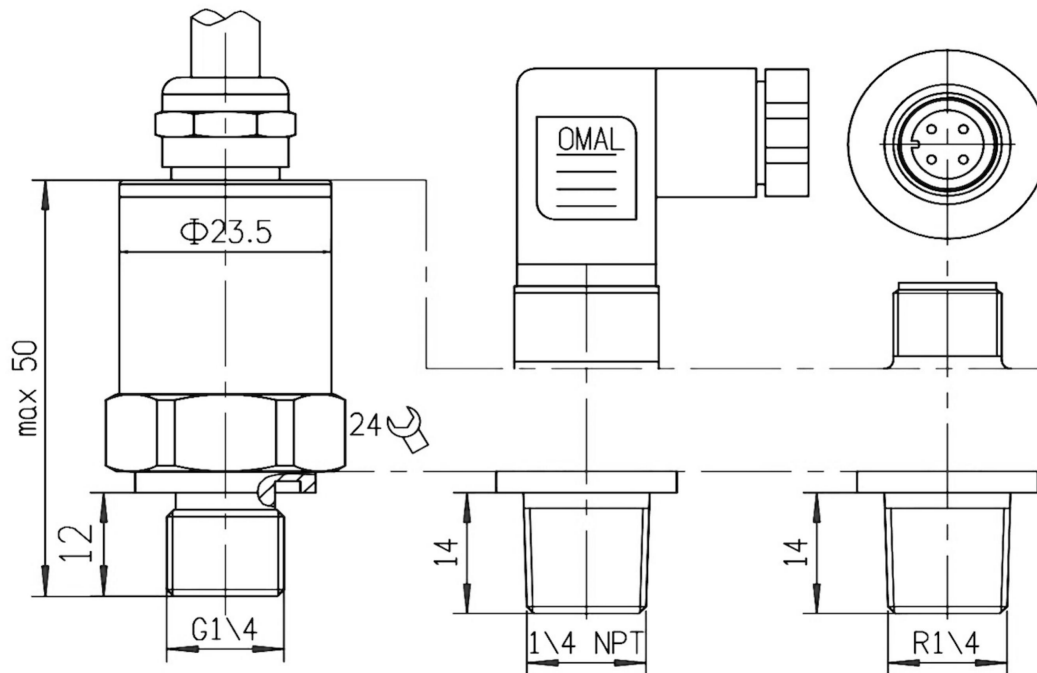
压力范围/Range bar	耐压/Proof Pressure (×FS)	破裂压/Burst Pressure (×FS)
	SSM-P200	SSM-P200
2bar~100bar	2.0×FS	3.0×FS
200bar~600bar	1.5×FS	2.0×FS

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	/
	2	黑 (Black)	S+输出/Output	E-/S-共负/Com	/
	3	蓝 (Blue)		S+输出/Output	/
	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



外型尺寸/External dimensions



陶瓷压阻型压力变送器 (SSM-P200)

型号表示: SSM-P200-①②③④⑤

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 精度 Accuracy	参数描述 Parameter description
SSM-P200	范围/Range B M	1G(F) 1G 2G 2N 7U(F) 1/2(F)	4A 10V	1D 4P xE	2	压力数值/Pressure value Bar MPa G1/8 (内/Internal thread) G1/8 G1/4 1/4NPT 7/16-20UNF (内/Internal thread) 1/2-20UNF (内/Internal thread) 4-20mA两线制/2-wire 0-10V三线制/3-wire DIN 43650赫斯曼/Hirschmann 四芯M12连接器/4pin 直接引线X米/Direct lead x meter ±0.5%FS ±0.25%FS

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
- 7U(F)、1/2(F)带顶针
7U(F)、1/2(F)with thimble