

SSM-P200VH

氢能源专用压力变送器/Hydrogen energy specific pressure transmitter

- 压力量程/Range: 0~2bar~1000bar
- 高性能芯体/High performance core
- 中高压一体化结构/Integrated structure of medium and high voltage
- 无焊接、无充油/No welding, no oil filling
- 长期稳定性好/Superior long term stability
- 抗氢脆/Anti hydrogen embrittlement



技术规格/Technique parameter

产品性能/Product Performance

长期漂移/Long-Term Stability	±0.3%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.	-40°C~85°C
零点允差/Zero Error	±1%FS
满程允差/Span Error	±1%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;IP68可订制/Customizable
抗冲击/Shock	EC 68-2-32 procedure I
抗振动/Vibration	100g, 20-2000Hz
重量/Weight	约30克/About 30g

环境数据/Environmental Data

认证/Authentication	CE、RoHS
-------------------	---------

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

比例电压输出/Proportional Voltage Output

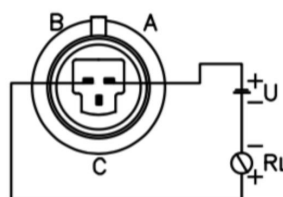
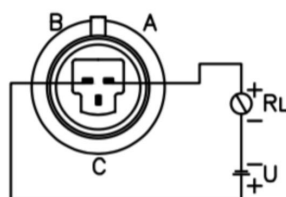
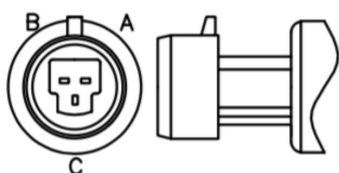
输出 (3线) /Output (3-wire)	0.5-4.5Vdc(3线) /3-wire
供电电压/Power Supply	5Vdc±10%

压力特性/Pressure feature

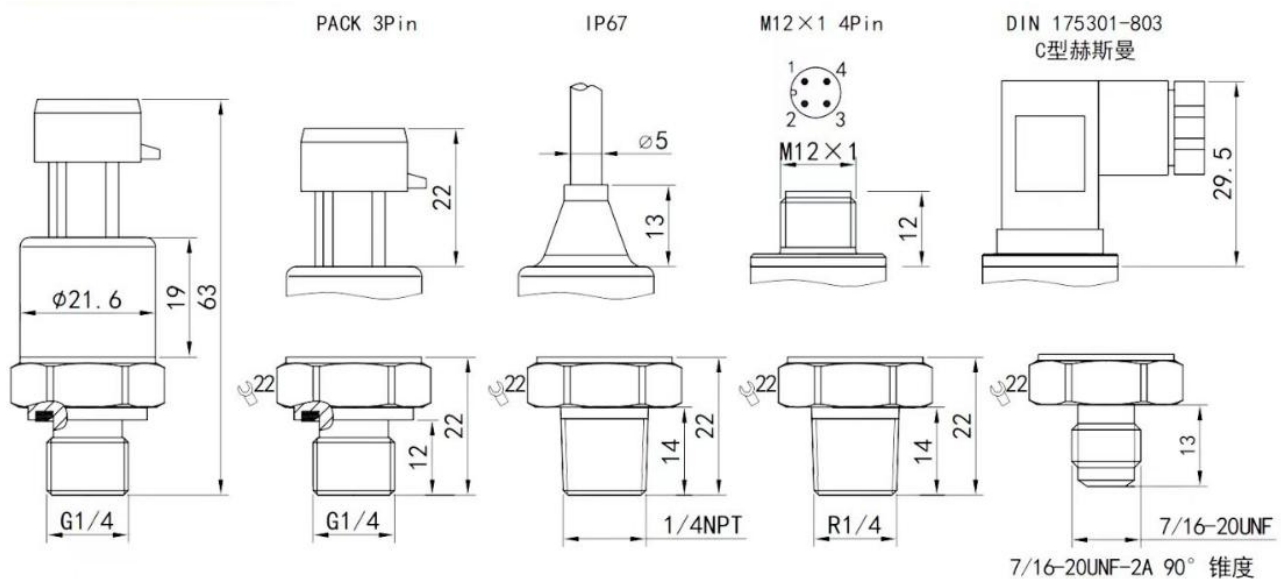
压力范围/Range bar	耐压/Proof Pressure (×FS)	破裂压/Burst Pressure (×FS)
	SSM-P200VH	SSM-P200VH
2bar~50bar	2.0×FS	3.0×FS
100bar~1000bar	2.0×FS	5.0×FS

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	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
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



外型尺寸/External dimensions



氢能源专用压力变送器 (SSM-P200VH)

型号表示: SSM-P200VH-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-P200VH	范围/Range B M	2G 2N 4G	4V 4A 5V 10V	PK 4P xE	2	压力数值/Pressure value Bar MPa G1/4 1/4NPT G1/2 0.5-4.5V三线制/3-wire 4-20mA两线制/2-wire 0-5V三线制/3-wire 0-10V三线制/3-wire PARKER插件/Connector 四芯M12连接器/4pin 直接引线X米/Direct lead x meter $\pm 0.5\%FS$ $\pm 0.25\%FS$

注意事项/Attention:

- 1、PARKER标配1米电缆线
PARKER Standardized 1m Cable Line
- 2、直接引线标配1米电缆线
Direct lead with 1 m cable