OEM压阻式压力/差压传感器

OEM piezoresistive pressure/differential pressure sensor

All OEM products use imported high-stability MEMS semiconductor chips, imported high-quality 316L elastic diaphragms, and 316L .stainless steel materials that meet international standards. Some products are equipped with special materials.

In our company, we have passed rigorous testing of automatic .film bonding and pressure welding, pressure correction automatic. compensation testing, laser precision trimming and other processes. Each product must undergo strict aging and screening to ensure that the quality and reliability of the product can reach the leading level in the industry.

Welcome customized requirements based on actual applications, We are very willing to cooperate with customers to develop products that truly meet market applications.

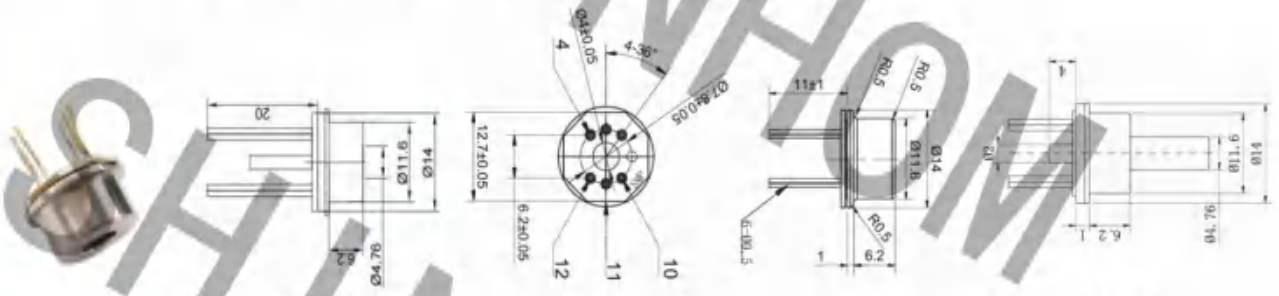
SMP1900系列

OEM 气压传感器芯体

SMP1900 Series

OEM Hydraulic Sensor

- 特点：To-8封装，用于非腐蚀性气体测量·
- 量程：-100kPa...0kPa~2kPa...3.5MPa G/A/D
- Features: To-8 package, designed for measurement of non-corrosive gases.
- Range: -100 kPa...0 kPa~2 kPa...3.5 MPa G/A/D



表压 G　　绝压 A　　差压 D

SMP2000系列

OEM φ12.6mm 压力传感器芯体

SMP2000-I Series

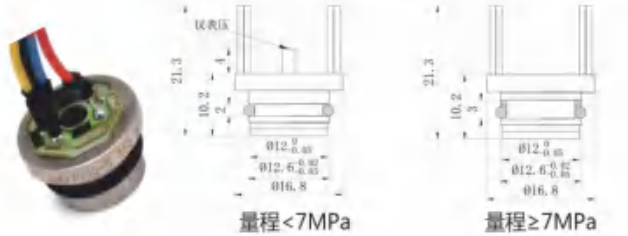
OEM φ12.6mm pressure sensor

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~350kPa...70MPa G/A/S
- Features: 317L isolation membrane
- Range: -100kPa...0kPa~350kPa...70MPa G/A/S

量程<7MPa　量程≥7MPa

Range<7Mpa　Range≥7MPa

SMP2000-I型



量程<7MPa　量程≥7MPa

Range<7Mpa　Range≥7MPa

SMP2000-II型

SHINHOM

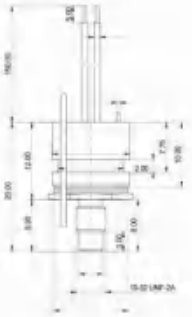
SMP2001系列

OEM微差压压力传感器芯体

SMP2001 Series

OEM differential pressure sensor

- 特点：体积小,测量干燥无腐蚀气体或不导电液体
- 量程：0kPa~2kPa　D
- Characteristics: small size, measuring dry non-corrosive gases or non-conductive liquids
- Range: 0kPa~2kPa　D



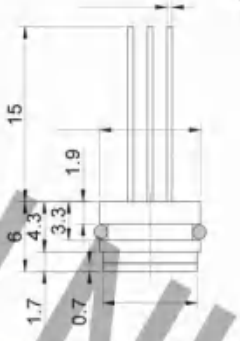
SMP2003系列

OEM φ9mm压力传感器芯体

SMP2003 Series

OEM φ9mm pressure sensor

- 特点：317L隔离膜
- 量程：0kPa~700kPa...7MPa　A/S
- Features: 317L isolation membrane
- Range: 0kPa~700kPa...7MPa　A/S



SMP2004系列

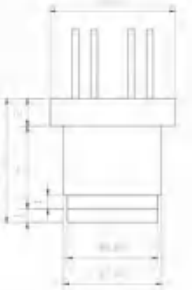
OEM φ9mm压力传感器芯体

SMP2004 Series

OEM φ9mm pressure sensor

- 特点：317L隔离膜
- 量程：0kPa~3.5MPa...70MPa　A/S
- Features: 317L isolation membrane
- Range: 0kPa~3.5MPa...70MPa　A/S

SMP2004-1



SMP2004-2

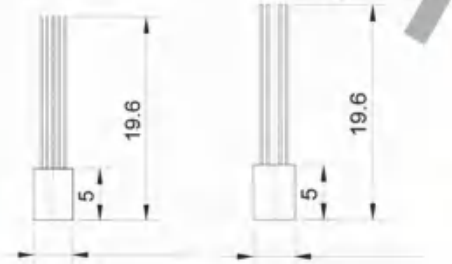
SMP2005系列

OEM φ4mm 压力传感器芯体

SMP2005 Series

OEM φ4mm pressure sensor

- 特点：无隔离膜，用于非腐蚀性气体或不导电的液体
- 量程：0kPa~2kPa...3.5MPa　A
- Features: without isolation membrane, Suitable for non-corrosive gases or non-conductive liquids
- Range: 0kPa~2kPa...3.5MPa　A



表压　G　　绝压　A

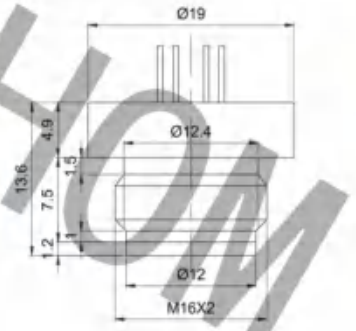
SMP2006系列

OEM M16X2 压力传感器芯体

SMP2006 Series

OEM M16X2 pressure sensor

- 特点：317L隔离膜
- 量程：0kPa~350kPa...70MPa　A/S
- Features: 317L isolation membrane
- Range: 0kPa~350kPa...70MPa　A/S



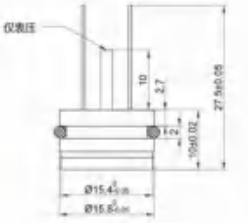
SMP2010系列

OEM φ15.8mm压力传感器芯体

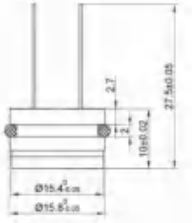
SMP2010 Series

OEM φ15.8mm pressure sensor

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~200kPa...15MPa　G/S/A
- Features: 317L isolation membrane
- Range: -100kPa...0kPa~200kPa...15MPa　G/S/A



表压　G



绝压　A

SHINHOM

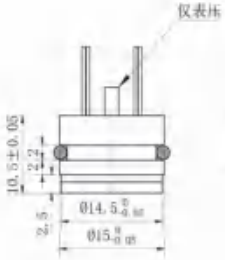
SMP2020系列

OEM φ15mm压力传感器芯体

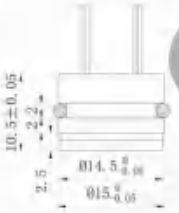
SMP2020 Series

OEM φ15mm pressure sensor

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~100kPa...15MPa G/A/S
- Features: 317L isolation membrane
- Range: -100 kPa...0 kPa ~ 100 kPa...15 MPa G/A/S



表压 G



绝压 A

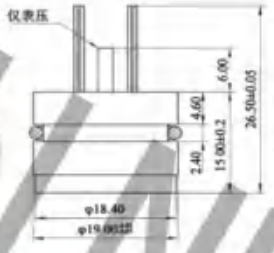
SMP2080系列

OEM φ19mm压力传感器芯体

SMP2080 Series

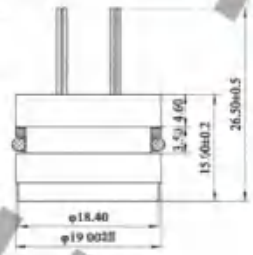
OEM φ19mm pressure sensor

- 特点：常规产品为317L不锈钢材质，可提供钛，哈氏合金，钽等材料膜片
- 量程：-100kPa...0kPa~10kPa...70MPa G/S/A
- Features: standardl products are 317L stainless steel, titanium, Hastelloy, tantalum and other materials diaphragm can be supplied
- Range: -100kPa...0kPa~10kPa...70MPa G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

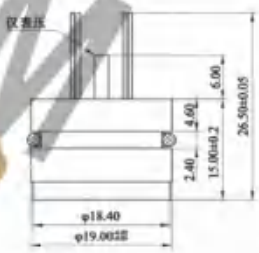
SMP2080-T系列

OEM φ19mm 氢气压力传感器芯体

SMP2080-T Series

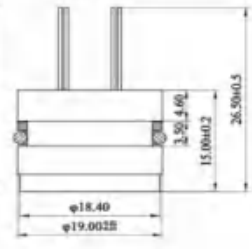
OEM φ19mm hydrogen pressure sensor

- 特点：黄金镀膜技术
- 量程：-100kPa...0kPa~35kPa...70MPa G/S/A
- Features: Gold coating technology
- Range: -100kPa...0kPa~35kPa...70MPa G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

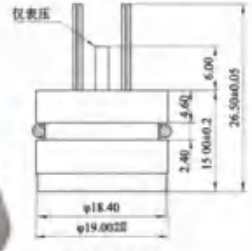
SMP2081系列

OEM φ19mm温压一体传感器芯体

SMP2081 Series

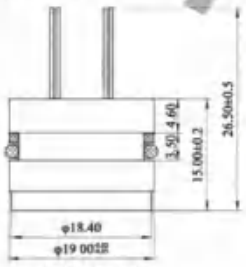
OEM φ19mm integrated temperature and pressure sensor

- 特点：温度，压力双输出，317L隔离膜
- 量程：-100kPa...0kPa~10kPa...70MPa G/A PT100
- Features: Dual output for temperature and pressure , 317L isolation membrane
- Range: -100kPa...0kPa~10kPa...70MPa G/A PT100



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

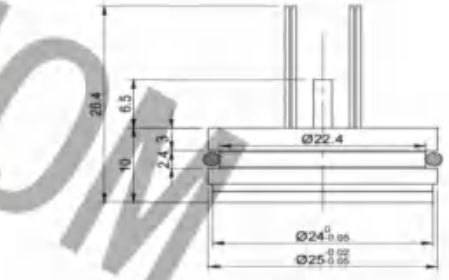
SMP2082系列

OEM φ25mm 压力传感器芯体

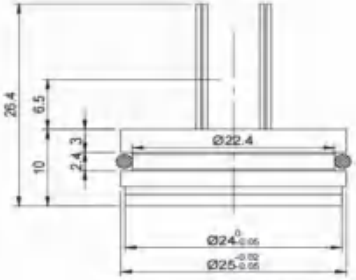
SMP2082 Series

OEM φ25mm pressure sensor

- 特点：316L隔离膜，高稳定性
- 量程：-100kPa...0kPa~7kPa...350KPa G/A
- Features: 316L isolation membrane, high stability
- Range: -100kPa...0kPa~7kPa...350KPa G/A



表压 G



绝压 A

SHINHOM

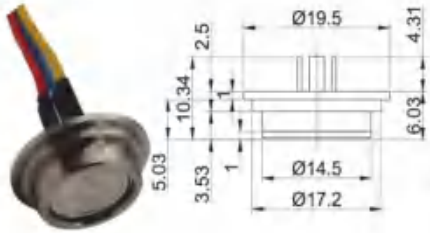
SMP2089系列

OEM 经济型传感器芯体

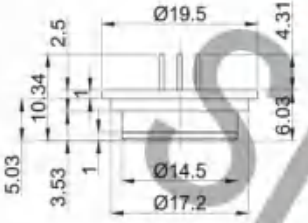
SMP2089 Series

OEM economical sensor

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~200kPa...7MPa　G/S/A
- Features: 317L isolation membrane
- Range: -100kPa...0kPa~200kPa...7MPa　G/S/A



表压　G



绝压　A

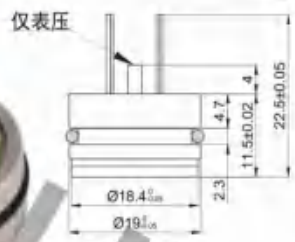
SMP2100系列

OEM φ19mm高稳定型压力传感器芯体

SMP2100 Series

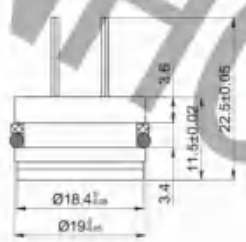
OEM φ19mm high-stability pressure sensor

- 特点：高稳定性，317L隔离膜
- 量程：-100kPa...0kPa~7kPa...70MPa　G/S/A
- Features: High stability, 317L isolation membrane
- Range: -100kPa...0kPa~7kPa...70MPa　G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

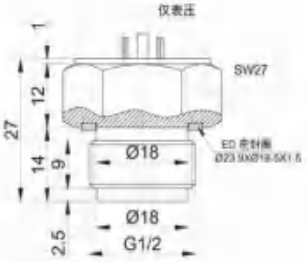
SMP2200系列

OEM 齐平膜型压力芯体

SMP2200 Series

OEM flush film pressure

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~10kPa...35MPa　G/S/A
- Features: 317L isolation membrane
- Range: -100kPa...0kPa~10kPa...35MPa　G/S/A



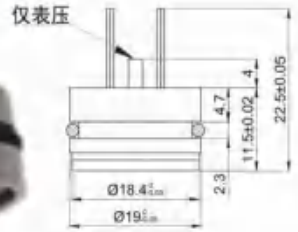
SMP2100ST

OEM标准输出压力传感器芯体

SMP2100 ST Series

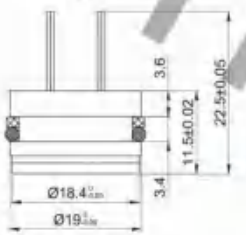
OEM standard output pressure sensor

- 特点：标准信号输出，317L隔离膜
- 量程：-100kPa...0kPa~7kPa...70MPa　G/A
- Features: Standard signal output，317L isolation membrane
- Range: -100kPa...0kPa~7kPa...70MPa　G/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

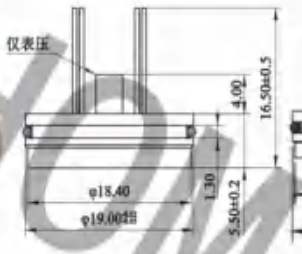
SMP2160系列

OEM φ5.5mm超薄压力传感器

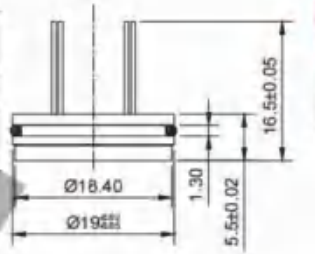
SMP2160 Series

OEM φ5.5mm ultra-thin pressure sensor

- 特点：317L隔离膜
- 量程：-100kPa...0kPa~10kPa...3.5MPa　G/A
- Features: 317L isolation membrane
- Range: -100kPa...0kPa~10kPa...3.5MPa　G/A



表压　G



绝压　A

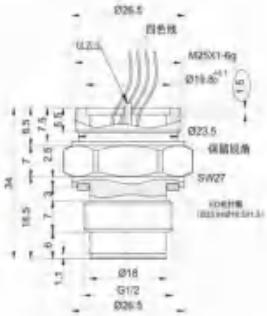
SMP2210系列

OEM纯平膜压力传感器芯体

SMP2210 Series

OEM flat membrane pressure sensor

- 特点：纯平膜型结构设计，不结垢易清洗
- 量程：-100kPa...0kPa~10kPa...35MPa　G/A
- Features: Pure flat membrane structure design, resistant to scaling and easy to clean
- Range: -100kPa...0kPa~10kPa...35MPa　G/A



SHINHOM

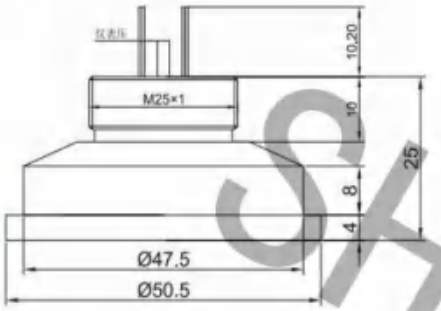
SMP2300系列

OEM卫生平膜型压力芯体

SMP2300 Series

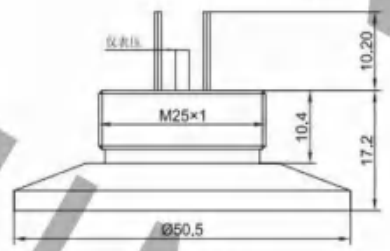
OEM Sanitary flat membrane pressure sensor

- 特点：平膜设计适合粘稠介质测量；卡箍式安装，可方便快速拆装清洗，316L膜片
- 量程：-100kPa...0kPa～20kPa...3.5MPa　G/S/A
- Features: flat membrane design suitable for viscous media measurement; clamp type installation, can be easily and quickly disassembled for cleaning，316L diaphragm
- Range: -100kPa...0kPa～20kPa...3.5MPa　G/S/A



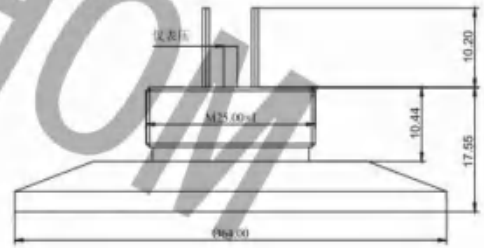
2寸卡盘（φ50.5mm）

2’ clamp plate (φ50.5mm)



2寸卡箍（φ50.5mm）

2’ clamp plate (φ50.5mm)



2.5寸卡箍（φ64mm）

2.5’ clamp plate (φ64mm)

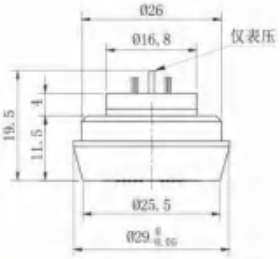
SMP2301系列

OEM 卫生平膜型传感器芯体

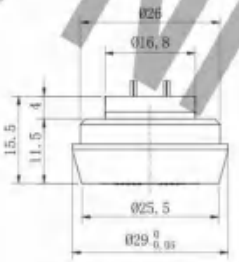
SMP2301 Series

OEM sanitary flat membrane sensor

- 特点：全焊接纯平膜，无死角圆角结构
- 量程：　-100kPa...0kPa~7kPa...7MPa　G/A
- Features: Fully welded pure flat membrane with a seamless rounded corner structure.
- Range: -100kPa...0kPa~7kPa...7MPa　G/A



表压　G



绝压　A

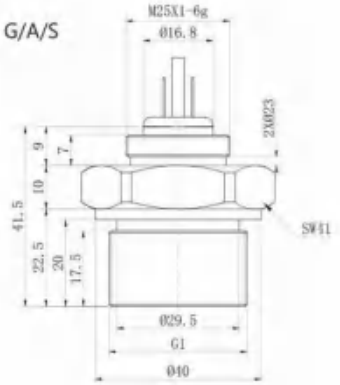
SMP2400系列

OEM硬平膜传感器芯体

SMP2400 Series

OEM rigid flat film sensor

- 特点：抗冲击，抗撞击，耐磨损
- 量程：-100KPa...0KPa~700KPa...70MPa　G/A/S
- Features: Impact-resistant, collision-resistant, wear-resistant
- Range: -100KPa...0KPa~700KPa...70MPa　G/A/S



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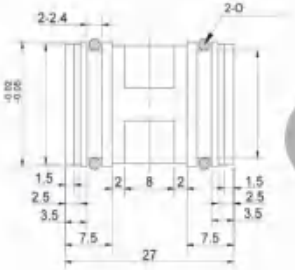
SMP2900系列

OEM 差压传感器芯体

SMP2900 Series

OEM differential pressure sensor

- 特点：耐静压20MPa，317L隔离膜
- 量程：0kPa~20kPa...3.5MPa　D
- Features: Resistant to hydrostatic pressure 20MPa，317L isolation membrane
- Range: 0kPa~20kPa...3.5MPa　D



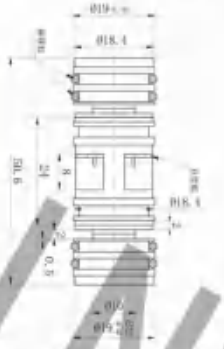
SMP2900GM系列

OEM 全钛差压传感器芯体

SMP2900GM Series

OEM full-titanium differential pressure sensor

- 特点：全钛合金材质，全钛膜片
- 量程：0kPa~20kPa...3.5MPa　D
- Features: Full titanium alloy material, full titanium diaphragm
- Range: 0kPa~20kPa...3.5MPa　D



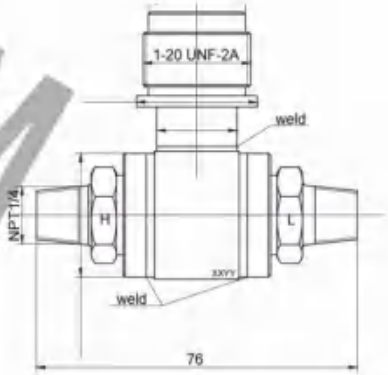
SMP2910系列

OEM 全焊接差压传感器芯体

SMP2910 Series

OEM Fully welded differential pressure sensor

- 特点：无密封圈，全焊接，耐静压20MPa，317隔离膜
- 量程：0kPa~20kPa...3.5MPa　D
- Features: no O-rings, fully welded, hydrostatic pressure resistance 20MPa，317 Isolation membrane
- Range: 0kPa~20kPa...3.5MPa　D



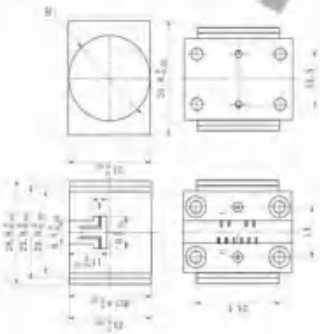
SMP2920系列

OEM差压传感器芯体

SMP2920 Series

OEM differential pressure sensor

- 特点：安装方便，可测静压，内置317L不锈钢膜片
- 量程：0kPa~4kPa...3.5MPa　D
- Features: Easy installation; Measurable static pressure　，Built-in 317L stainless steel diaphragm
- Range: 0kPa~4 kPa...3.5 MPa D



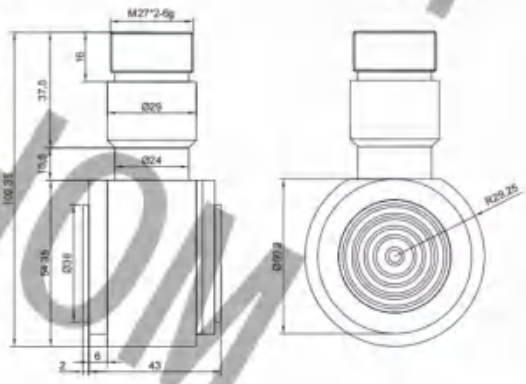
SMP2930系列

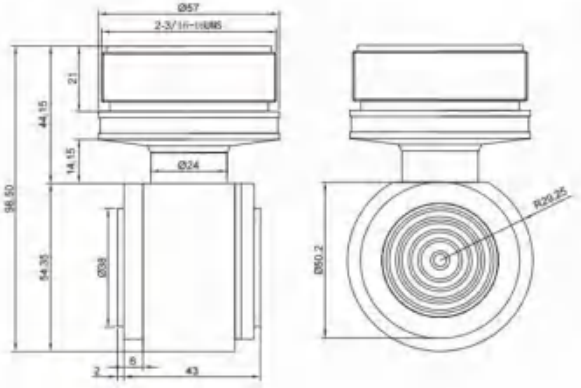
OEM单晶硅差压传感器芯体

SMP2930 Series

OEM monocrystalline silicon differential pressure sensor

- 特点：性能稳定，316L膜片及其他多种特殊材料膜片
- 量程：0kPa~3.5kPa...3.5MPa　D
- Features: stable performance，316L diaphragm and various other special material diaphragms
- Range: 0kPa~3.5kPa...3.5MPa　D





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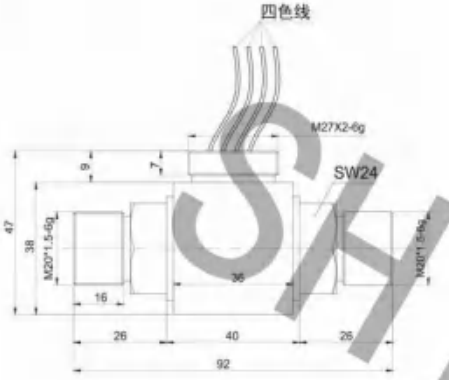
SMP3900系列

装配型差压传感器

SMP3900 Series

Assembly type differential pressure sensor

- 特点：耐静压20MPa，317L隔离膜
- 量程：0kPa~20kPa...1MPa　D
- Features: hydrostatic pressure resistance 20MPa，317L isolation membrane
- Range: 0kPa~20kPa...1MPa　D



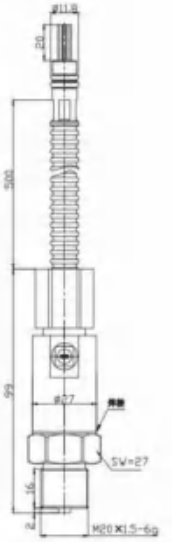
SMP3106-4D系列

复合式传感器

SMP3106-4D Series

Composite Sensor

- 特点：IP68并带有一对电极用于测量体外介质的导电率，酸碱度，盐度等的复合式传感器
- 量程：-100kPa...0kPa~10kPa...70MPa　G/S/A
- Features: IP68 ,composite sensor with a pair of electrodes for measuring conductivity, pH, salinity, etc. of in vitro media.
- Range: -100kPa...0kPa~10kPa...70MPa　G/S/A



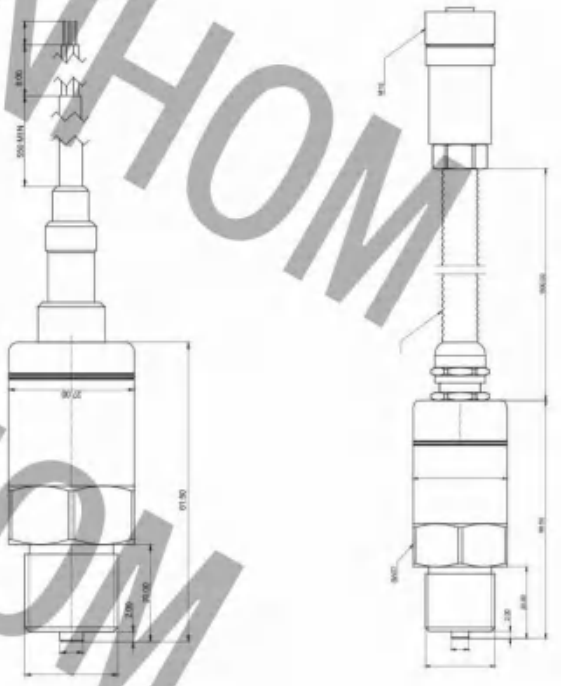
SMP3001系列

压力传感器

SMP3001 Series

Pressure sensor

- 特点：激光修调零点和宽温度补偿；标准螺纹引压测量方式
- 量程：-100kPa...0kPa～10kPa...70MPa
- Features: Laser Zero Trimming and Wide Temperature Compensation range,Standard Threaded pilot pressure Measurement Method
- Range: -100kPa...0kPa～10kPa...70MPa



SMP3001-1

SMP3001-2

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SMP3001-4系列

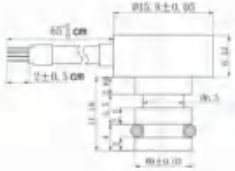
水压传感器

SMP3001-4 Series

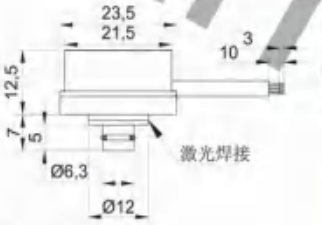
Water pressure sensor

- 特点：IIC信号输出，1.8~3.6V供电，待机电流≤0.1mA，可电池供电，带317L隔离膜片
- 量程：(0~1.6)Mpa　A/S
- Features: IIC signal output, powered by 1.8–3.6 V, standby current ≤0.1 mA, battery-powered , With a 317L isolation membrane
- Range: (0~1.6) MPa　A/S

A型



B型



C型

SMP3002系列

组装型压力传感器

SMP3002 Series

Assembled pressure sensor

- 特点：高精度，高稳定性
- 量程：-100kPa~0kPa...10kPa...70MPa　G/S/A
- Features: High accuracy, high stability
- Range: -100kPa~0kPa...10kPa...70MPa　G/S/A

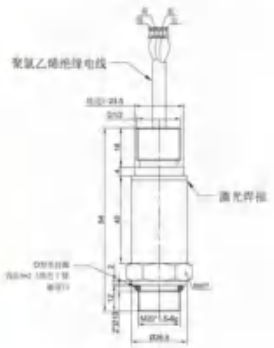
SMP3003系列

压力传感器

SMP3003 Series

Pressure sensor

- 特点：IP68防水等级
- 量程：-100kPa...0kPa~10kPa...70MPa　G/S/A
- Features: IP68 waterproof rating
- Range: -100kPa...0kPa~10kPa...70MPa　G/S/A



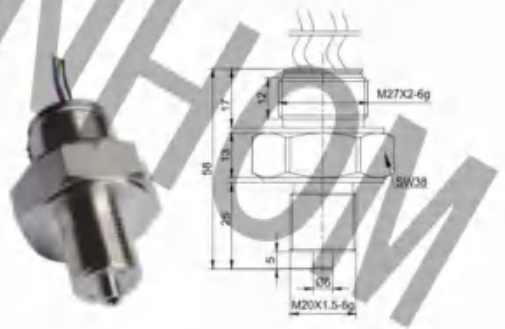
SMP3004系列

焊接型压力传感器

SMP3004 Series

Welded pressure sensor

- 特点：无密封圈，全焊接结构可承受100MPa高压
- 量程：-100kPa~0kPa...7kPa~70MPa　G/S/A
- Features: No sealing ring, all welded structure can withstand high pressure of 100MPa
- Range: -100kPa~0kPa...7kPa~70MPa　G/S/A
-



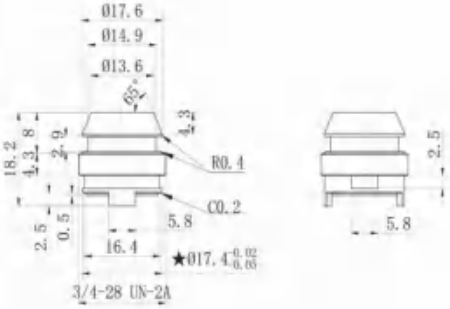
SMP3004-30系列

抗H_2S腐蚀压力传感器

SMP3004-30 Series

Anti-HZS corrosion pressure sensor

- 特点：抗氢氟酸腐蚀
- 量程：0kPa~1MPa...150MPa　G/S
- Features: Resistant to hydrofluoric acid corrosion
- Range: 0kPa~1MPa...150MPa　G/S



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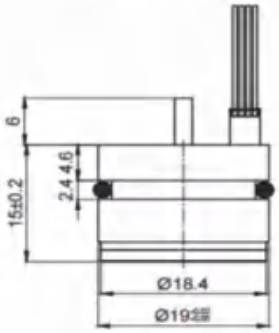
SMP3011 I²C系列

SMP3011-2080型I2C输出微功耗压力传感器芯体

SMP3011 I²C Series

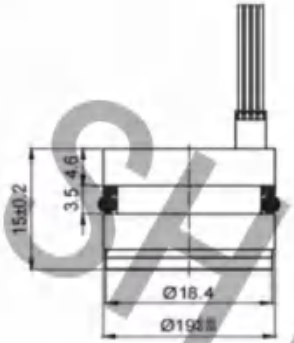
SMP3011-2080 Type I2C output micropower pressure sensor

- 特点：低电压，低功耗
- 量程：-100KPa...0KPa~7KPa...70MPa　G/S/A
- Features: Features: Low voltage, low power consumption
- Range: -100KPa...0KPa~7KPa...70MPa　G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

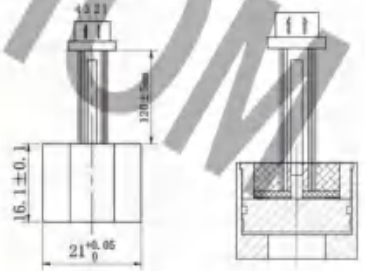
SMP3011-6系列

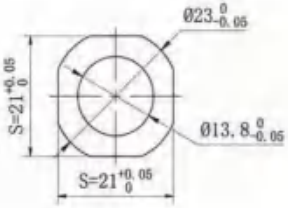
焊接型IIC数字压力传感器

SMP3011-6 Series

Welded IIC Digital Pressure Sensor

- 特点：全焊接，IIC接口，低功耗可电池供电
- 量程：-100kPa...0kPa~10kPa...3.5MPa　G/A
- Features: Fully welded construction, IIC interface, low power consumption with battery power supply.
- Range: -100kPa...0kPa~10kPa...3.5MPa　G/A





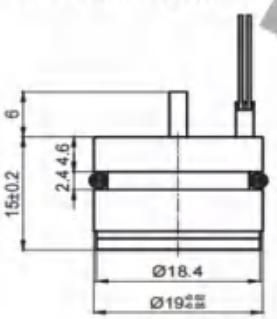
SMP3800系列

两线制压力变送器

SMP3800 Series

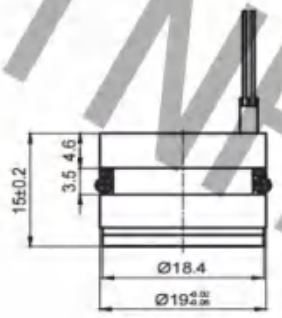
Two-wire pressure transmitter

- 特点：两线制4-20mA DC输出
- 量程：-100KPa...0KPa~7KPa...70MPa　G/S/A
- Features: 2-wire 4~20mA DC output
- Range: -100KPa...0KPa~7KPa...70MPa　G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

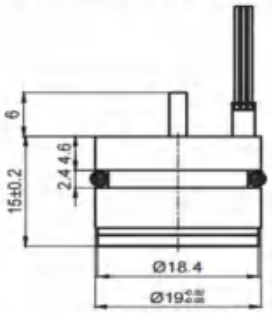
SMP3810系列

三线制压力变送器

SMP3810 Series

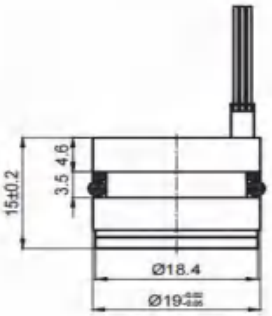
Three-wire pressure transmitter

- 特点：　三线制电压输出
- 量程：　-100KPa...0KPa~7KPa...70MPa　G/S/A
- Features: Three-line voltage output
- Range: -100KPa...0KPa~7KPa...70MPa　G/S/A



量程<7MPa

Range<7Mpa



量程≥7MPa

Range≥7MPa

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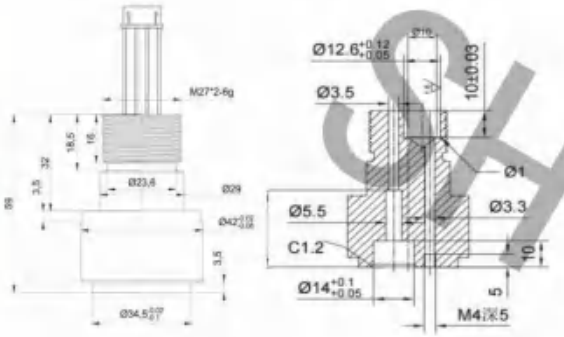
SMP3010系列

压力温度双输出压力传感器

SMP3010 Series

Pressure and Temperature Dual-Output Pressure

- 特点：压力温度双输出，317L隔离膜
- 量程：-100KPa...0KPa~200KPa...7MPa　G/S/A
- Features: Dual output for pressure and temperature , 317L isolation membrane
- Range: -100KPa...0KPa~200KPa...7MPa　G/S/A



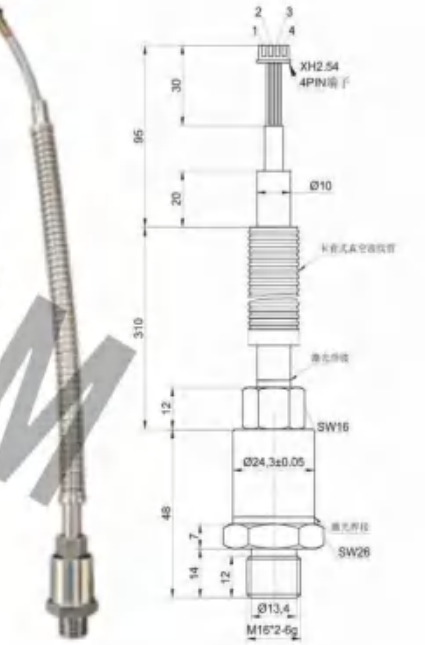
SMP3101系列

燃气压力传感器

SMP3101 Series

Gas pressure sensor

- 特点： Exi/Exd认证，燃气介质适配，带317L隔离膜，全焊接，耐腐蚀
- 量程：-100KPa...0KPa~7KPa...7MPa　G/A/S
- Features: Exi/Exd certification, compatible with various gas media, equipped with a 317L isolation membrane, fully welded construction, and corrosion-resistant.
- Range: -100KPa...0KPa~7KPa...7MPa　G/A/S



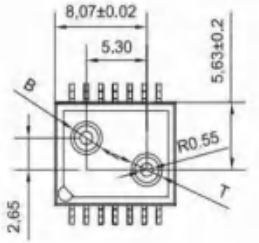
SMP1500系列

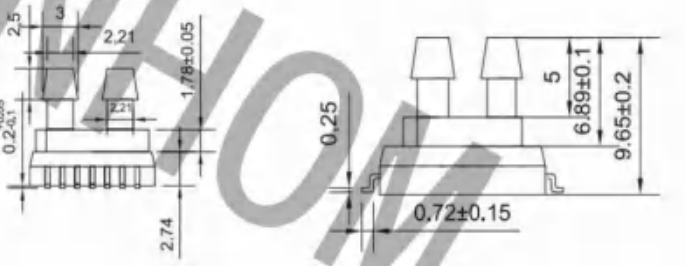
微差压传感器

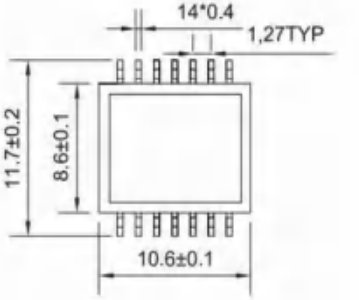
SMP1500 Series

Micro diferential pressure sensor

- 特点：多种输出方式可选择，包括0~100mV DC/0.5~4.5V DC/I2C输出
- 量程：-500Pa~0Pa...500Pa　G/D
- Features: multiple selective outputs type , including 0~100mV DC/0.5~4.5V DC/I2C outputs
- Range: -500Pa~0Pa...500Pa　G/D







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