

# SDYG general purpose pressure transmitter(SDYG通用型压力传感器变送器)

Picture(图片)			
Type code(系列)	SDYG-C1	SDYG-H0	SDYG-P0
Specification(性能参数)	<p>Pressure range(量程范围) min 0~350KPa,max 0~70MPa</p> <p>Pressure unit(压力单位) K:KPa M:MPa B:bar P:PSi</p> <p>Output(输出类型) B5:4~20mV B4: 1~5V DC B2:0-100mV</p> <p>Accuracy(显示精度) 6: 1.0% 5: 0.5% 2: 0.25%</p> <p>Zero tolerance(零点偏差) &lt; 1% of FS &lt; 1% of FS &lt; 2% of FS</p> <p>Full scale difference(满量程偏差) &lt; 1% of FS &lt; 1% of FS &lt; 2% of FS</p> <p>Supply voltage(电源电压) 10~30 V DC 10~30 V DC 5V DC</p> <p>Output resistance(输出阻抗) &gt;10k Ohms &lt;100 Ohms 2000 Ohms</p> <p>Supply current(供电电流) &lt;24mA &lt;10mA &lt;5mA</p> <p>Frequency(响应频率) (-3dB):DC to 250Hz (-3dB):DC to 1KHz (-3dB):DCto5KHz,min</p> <p>Output load(输出负载) 0~1000 ohms @10-30V DC &gt;100K ohms &gt;1M ohms</p> <p>Reverse polarity protection(反极性保护) YES/有 YES/有 ----</p> <p>Long term stability(长期稳定性) 0.25% FS/year / 0.25% FS/年</p> <p>Contact medium(介质接触材料) 17-4PH(316L optional)/17-4PH(316L 可选)</p> <p>Pressure cycling(压力循环) &gt;0.1billion times full pressure cycling/&gt;1亿次满压力循环</p> <p>Overload pressure(过载压力) 2times rated pressure/2倍额定压力</p> <p>Burst pressure(破坏压力) 5times rated pressure(max 150Mpa)/对比5倍额定压力(max 150Mpa)</p> <p>Comprehensive error(综合误差) 0.5% FS(within compensated temperature)/ 0.5% FS(补偿温度范围内)</p>		
Ambient condition(环境要求)	<p>Ambient temperature(环境温度) Temperature range -40°C~125°C/工作温度范围-40°C~125°C Compensated temperature range 0~70°C,-25°C~85°C/补偿温度范围 0~70°C,-25°C~85°C</p> <p>Insulation resistance(绝缘阻抗) &gt;100M/250V DC</p> <p>Anti-vibration(耐振动) 20g</p> <p>Anti-impact(耐冲击) 50g,11msec,1/2 sine wave/50g,11msec,1/2 正弦波</p> <p>Anti-EMI(抗电磁/抗射频) EN 50081-2 EN 50082-2(10V/M,26-1000MHz) EN 61326</p> <p>Mounting(接管口径) M:M20X1.5, N:1/4NPT, G:G1/4, X:others/其它机械接口</p> <p>Connection(连接方式) C1:1m cable/1m电缆线, P0 : packard connector/packard接头, H0 : Hirschman connector/Hirschman接头 M0 : M12X1connector/M12X1连接器, XX:others/其它连接方式</p> <p>Housing material(外壳材质) 304 stainless steel/304不锈钢</p>		
Dimension(尺寸图)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>■ Connection C1</p> <p>Unit(单位): mm</p> </div> <div style="text-align: center;"> <p>■ Connection H0</p> <p>■ The output voltage: 1#:power+ 2#:output 3#:power- 4#:Housing</p> </div> <div style="text-align: center;"> <p>■ Connection P0</p> <p>The output voltage: A:power+ B:power- C:output</p> <p>4~20mA output: 1#:power+ 2#:output 3#:power- 4#:Housing</p> </div> </div>		