

压力变送器

Electronic
Pressure Transmitter

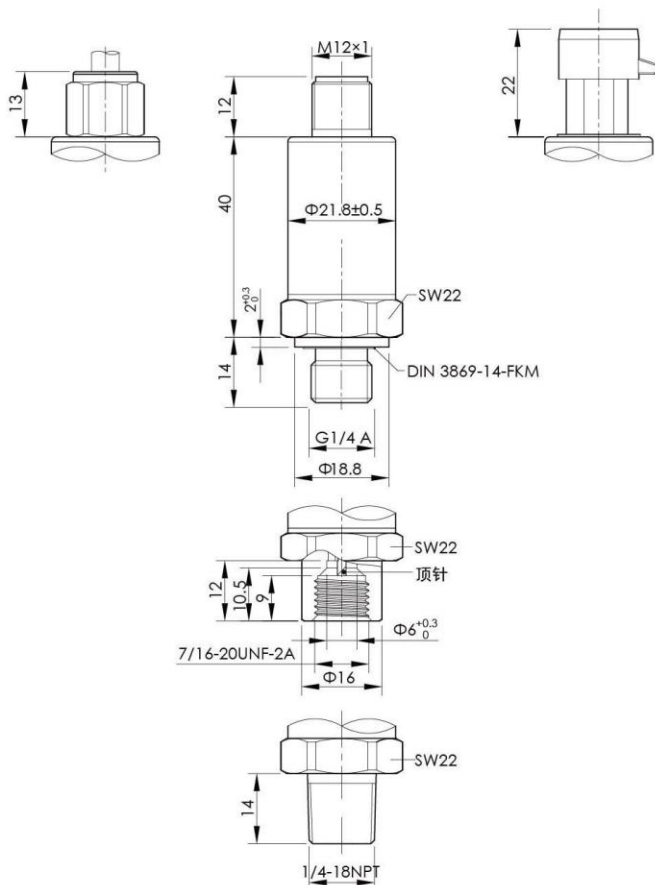
SDP6200系列

应用于压缩机、工程机械、高速列车、
船舶、机床、自动化控制等领域

- 优异的EMC性能
- 通过盐雾、温湿度测试
- 防护等级IP65/IP67
- 符合RoHS,CE认证
- 扩散硅芯体，性能优越



外形尺寸图 Dimensions



62-系列 压力变送器

技术参数 Technical Parameter

参数	Specifications	技术指标	Technical Data
输入数据 Input data			
压力范围	Measuring ranges	0 ~ 1...2...5...8...16...30...50...100...400...500...600Bar	
过载压力	Overload pressures	200%F.S	150%F.S
破坏压力	Burst pressures	500%F.S	300%F.S
机械接口	Mechanical connection	G1/4-A	7/16-20UNF-2A G3/8-A
锁紧扭力	Torque value	20 N.m	12N.m 40N.m
与介质接触部分	Parts in contact with medium	Mech. connection: Stainless steel Seal: FKM	
输出数据 Output data			
输出信号及阻抗	Output signal, permitted resistance	4 ~20mA , 2 conductor	
精度为DIN 16086	Accuracy to DIN 16086	$\pm 0.5\%$ F.S typ.	
	Max. setting	$\pm 1.0\%$ F.S max.	
非线性	Non-linearity at max. setting to DIN 16086	$\pm 0.3\%$ F.S max.	
迟滞	Hysteresis	$\pm 0.1\%$ F.S max.	
重复精度	Repeatability	$\pm 0.05\%$ F.S	
压力上升时间	Rise time	≤ 1 ms	
长期稳定性	Long-term drift	$\pm 0.1\%$ F.S typ. / year	
环境条件 Environmental conditions			
温度补偿范围	Compensated temperature range	-25~ +85 °C	
工作温度范围	Operating temperature range	-35~ +85 °C	
储存温度范围	Storage temperature range	-40~ +135 °C	
流体温度范围	Fluid temperature range	-35~ +100 °C	
CE 标记 CE mark		EN 61000-6-1 / 2 / 3 / 4	
耐振性	Vibration resistance to DIN EN 60068-2-6 at 10 .. 500 Hz	≤ 20 g	
防护等级	Protection class to DIN 40050	IP 65 (Packard 3-pole male) IP 67 (M12x1 4-pole male) IP 67 (connector is used)	
其他数据 Other data			
工作方式	Operational Mode	绝压, 表压 Absolute, Gauge	
工作电压	Operating voltage	24VDC(12..32VDC)	
消耗电流	Current consumption	approx. 25 mA	

选型表 Model code:

SDP 6 2 X X - X-XXX-X(000)

机械连接 Mechanical connection

- 3 = 7/16-20UNF-2A
- 4 = G1/4-A DIN 3852(male)
- 8 = 1/4-18 NPT
- M = 客户定制

电气连接 Electrical connection

- 0 = flying lead (Teflon cable,silicone-free)
- 2 = Packard Metri pack series 150,3-pole male
- 6 = M12x1 4-pole, male (connector not supplied)

输出信号 Signal

- A = 4~20mA, 2conductor

压力范围(Bar) Pressure ranges in Bar

- 001 = 0~1Bar ;
- 016 = 0~16Bar ;
- 600 = 0~600Bar;
- (压力范围0~1...600Bar可选)

工作方式 Operational Mode

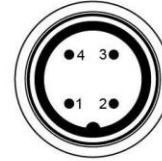
- A = 绝压 Absolute;
- G = 表压 Gauge ;

导线 Modification number

- 000 = 标准 (无电缆线)
- 020 = 2m 电缆线 (对应电器连接选项母端电缆线)
- 050 = 5m 电缆线 (对应电器连接选项母端电缆线)

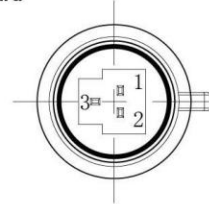
接线定义 Pin connections:

M12x1 4-pole male



Pin	SDP62X6-A
1	+24VDC
2	Signal+
3	n.c.
4	n.c.

Packard



Pin	SDP62X2-A
1	+24VDC
2	Signal+
3	n.c.

Flying lead



Cable assignment

Core	SDP62X0-A
red	+24VDC
yellow	Signal+
green	n.c.
white	n.c.
silver mesh	shielding wire