

PA1000系列 - 小型压力变送器

- ▶ 高精度扩散硅传感器
- ▶ 紧凑型设计
- ▶ 结构小巧23.5mm直径
- ▶ 测量范围0...600bar可选
- ▶ 抗强冲击设计
- ▶ 2线输出

PA1000系列采用扩散硅技术和陶瓷传感器进行压力测量，信号由后部处理电路处理后转换成标准工业电信号输出。全金属外壳设计，使得该系列产品能够被用于各种工业场合。模拟输出类型：4...20mA,多种连接方式可以满足各种特定的安装需求。



Specifications 规格表

供电	
电流输出型	10...30VDC
电流消耗	
2线式	与输出信号电流一致(4...20mA)
电流型模拟输出	
输出类型	2线4...20mA
负载RA(Ω)	RA (Us-10)V/0.02A
线性度	≤±0.5%量程
响应时间	≤2ms
重复性/迟滞	≤±0.1%量程
准确度	≤±0.5%fs(≤±0.25%fs可选)
稳定性（年漂移量）	≤±0.3%量程
温度	
介质温度	-40...+85℃
环境温度	-40...+85℃
材料	
壳体	304不锈钢
介质接触部分	304不锈钢
密封	PTFE (SIL,FKM,NBR,EPDM,FEP,FFKM,FVMQ可选)
防护等级	
IP65	测量范围≤50bar/电磁阀插头
IP67	测量范围≥50bar/M12×1接插件
电气连接	M12×1接插件/mini电磁阀插头
过程连接	G1/4外螺纹ED密封, NPT1/4外螺纹

Technical Data 技术参数

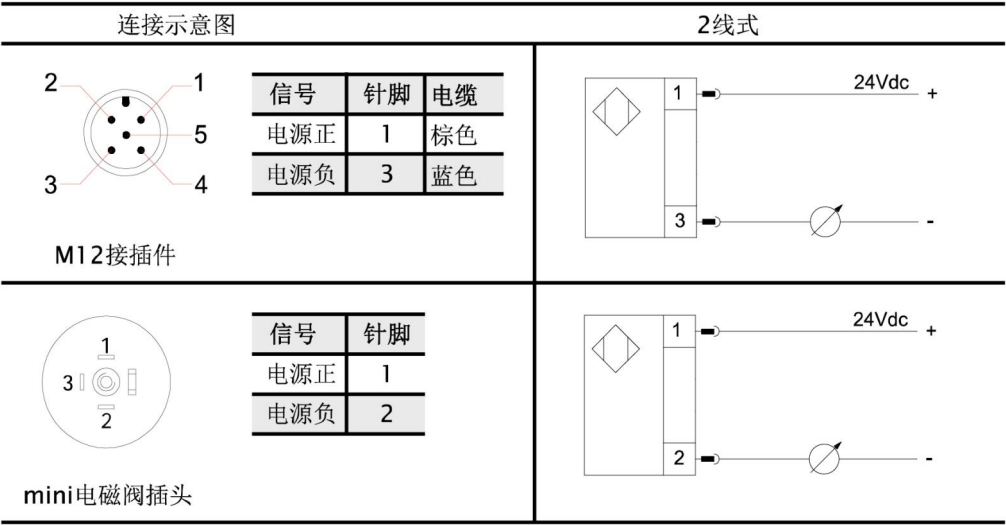
压力范围	bar	4	6	10	16	25	40	60	100	160	250	400	600
最大 过载压力	✕	压力范围×2.0											
最小 损坏压力	✕	压力范围×5.0										<1500bar	

Applications 应用

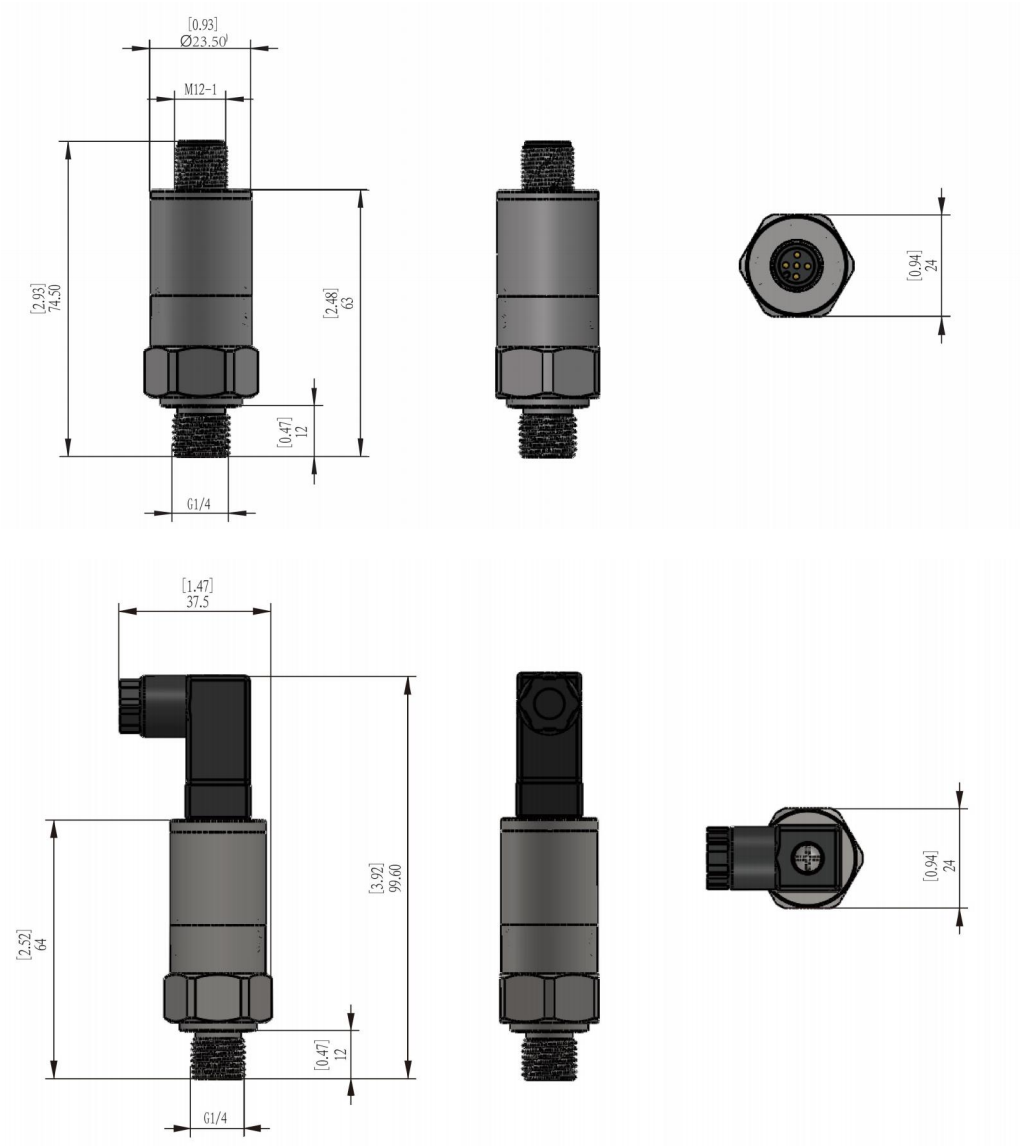
- ▶ 机床
- ▶ 机械制造泵
- ▶ 和压缩机测
- ▶ 试台
- ▶ 建筑自动化
- ▶ 液压和气动

PRESSURE

Wiring 接线图



Dimensions in inches (mm) 尺寸图 inches (mm)



Recommend Product Order Code 推荐产品订货号

*推荐产品型号通常备有库存，产品供货日期更快。更多产品选型请联系厂家！

产品订货号 Order NO.	规格型号 Type	出线方式 Wiring method	量程 Bar	压力类型	输出类型 mA
PA00001	PA1000/B001P0242G14MS	M12×1 接插件	0...1	正压	电流输出 二线制(4...20mA)
PA00004	PA1000/B004P0242G14MS		0...4		
PA00006	PA1000/B006P0242G14MS		0...6		
PA00010	PA1000/B010P0242G14MS		0...10		
PA00016	PA1000/B016P0242G14MS		0...16		
PA00025	PA1000/B025P0242G14MS		0...25		
PA00040	PA1000/B040P0242G14MS		0...40		
PA00060	PA1000/B060P0242G14MS		0...60		
PA00100	PA1000/B100P0242G14MS		0...100		
PA00160	PA1000/B160P0242G14MS		0...160		
PA00250	PA1000/B250P0242G14MS		0...250		
PA00400	PA1000/B400P0242G14MS		0...400		
PA00600	PA1000/B600P0242G14MS		0...600		
PA05001	PA1000/B001P0242G14MM	mini电磁阀插头	0...1		
PA05004	PA1000/B004P0242G14MM		0...4		
PA05006	PA1000/B006P0242G14MM		0...6		
PA05010	PA1000/B010P0242G14MM		0...10		
PA05016	PA1000/B016P0242G14MM		0...16		
PA05025	PA1000/B025P0242G14MM		0...25		
PA05040	PA1000/B040P0242G14MM		0...40		
PA05060	PA1000/B060P0242G14MM		0...60		
PA05100	PA1000/B100P0242G14MM		0...100		
PA05160	PA1000/B160P0242G14MM		0...160		
PA05250	PA1000/B250P0242G14MM		0...250		
PA05400	PA1000/B400P0242G14MM		0...400		
PA05600	PA1000/B600P0242G14MM		0...600		

Model Number Table 选型表

PA : 压力变送器								
1000 : 系列号-小型								
测量范围 (bar/psi 单位可选) : B004= 0...4bar; P0058= 0...58psi B006= 0...6bar; P0087= 0...87psi B016= 0...16bar; P0230= 0...230psi B020= 0...20bar; P0290= 0...290psi B025= 0...25bar; P0362= 0...362psi B040= 0...40bar; P0600= 0...600psi B060= 0...60bar; P0900= 0...900psi B100= 0...100bar; P1500= 0...1500psi B160= 0...160bar; P2300= 0...2300psi B250= 0...250bar; P3600= 0...3600psi B400= 0...400bar; P6000= 0...6000psi B600= 0...600bar; P8700= 0...8700psi								
PA	1000/	B100	P	02	42	G14M	M	/
P: 正压								
02: 2线式								
03: 3 线式								
42: 4...20mA								
05 : 0...5V								
01 : 0...10V								
R5: 0.5-4.5V 比例输出(5V供电)								
过程连接								
G14M : G1/4外螺纹								
N14M : NPT1/4外螺纹								
M : mini电磁阀插头								
S : M12X1 接插件								
保留位								

PRESSURE