



## 626 &amp; 628 系列压力变送器

## 安装和操作说明

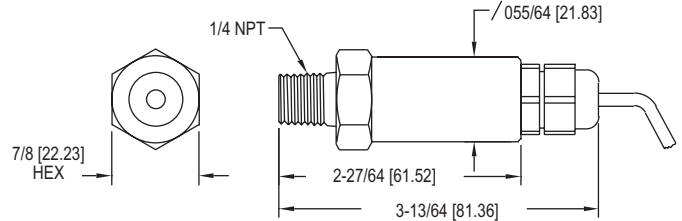
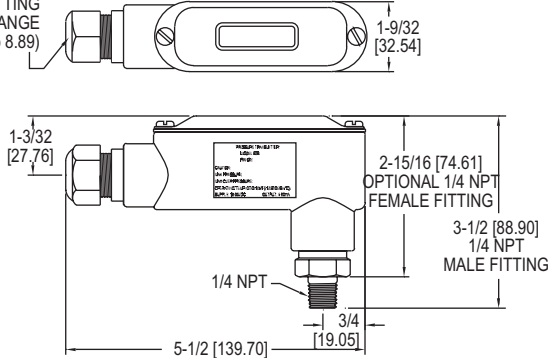


-CH 管式外壳



-GH 通用外壳

LIQUID TIGHT FITTING  
CORD DIAMETER RANGE  
.200 to .350 (5.08 to 8.89)



**626和628系列压力变送器**将正压转换成标准的4 - 20 mA输出信号。它可用于精确测量兼容的气体和液体；626系列的精度为满刻度的0.25%；628系列精度为满刻度的1%（见技术指标）。外壳是用于工业环境的NEMA 4X (IP66) 防护等级，能够承受大部分有冲击或振动的应用环境。



**注意：** 不要超过规定的电源电压等级。将导致永久损坏并不在保修范围内。这个仪表不是为120VAC或240VAC而设计的。仅适用于13 - 30VDC。

压力量程范围		
压力量程	最大压力	过压
0-15 psia	30 psia	45 psia
15-0 psia	30 psia	45 psia
0-30 psia	60 psia	90 psia
0-50 psia	100 psia	150 psia
0-100 psia	200 psia	300 psia
0-200 psia	400 psia	600 psia
0-300 psia	600 psia	900 psia
0-5 psig	10 psig	50 psig
0-15 psig	30 psig	150 psig
0-30 psig	60 psig	300 psig
0-50 psig	100 psig	300 psig
0-100 psig	200 psig	500 psig
0-150 psig	300 psig	750 psig
0-200 psig	400 psig	1000 psig
0-300 psig	600 psig	1500 psig
0-500 psig	1000 psig	2500 psig
0-1000 psig	2000 psig	5000 psig
0-1500 psig	3000 psig	5000 psig
0-2000 psig	4000 psig	5000 psig
0-3000 psig	6000 psig	7500 psig
0-5000 psig	7500 psig	10000 psig
0-8000 psig	10000 psig	12000 psig

## 技术指标

<b>介质:</b> Compatible gases and liquids.	<b>回路电阻:</b> 0-1000 Ohms max. R max = 50 (Vps-10) Ohms (4 to 20 mA output), 5K Ohms (0-5, 1-5, 1-6, 0-10, 2-10, 0.5-4.5 VDC output).
<b>材质:</b> Type 316 SS.	<b>电流消耗:</b> 38 mA maximum (for 4 to 20 mA output); 10 mA maximum (for 0-5, 1-5, 1-6, 0-10, 2-10, 0.5-4.5 VDC output); 140 mA maximum (for all 626/628/629-CH with optional LED).
<b>精度:</b> 626: 0.25% FS, 0.20% RSS; 628: 1.0% FS, 0.5% RSS; 626 absolute ranges: 0.5% FS, 0.35% RSS. (Includes linearity, hysteresis, and repeatability).	<b>电气连接:</b> Conduit Housing (-CH): terminal block, 1/2" female NPT conduit; General Purpose Housing (-GH): cable DIN EN 175801- 803-C.
<b>耐温:</b> 0 to 200°F (-18 to 93°C).	<b>过程连接:</b> 1/4" male or female NPT and BSPT.
<b>补偿温度范围:</b> 0 to 175° (-18 to 79°C).	<b>外壳防护:</b> NEMA 4X (IP66). <b>Mounting 安装方位:</b> Mount in any position.
<b>温度影响:</b> 626: ±0.02% FS/°F. 628: ±0.04% FS/°F (includes zero and span).	<b>重量</b> 10 oz (283 g).
<b>耐压:</b> See table.	<b>机构认证:</b> CE.
<b>电源:</b> 10-30 VDC (for 4 to 20 mA, 0-5, 1-5, 1-6 VDC output); 13-30 VDC (for 0-10, 2-10 VDC outputs); 5 VDC ±0.5 VDC (for 0.5-4.5 VDC ratio-metric output).	
<b>输出信号:</b> 4 to 20 mA, 0-5 VDC, 1-5 VDC, 0-10 VDC, or 0.5-4.5 VDC.	
<b>响应时间:</b> 300 ms.	

## 安装

- 1. 安装位置:** 选择一个温度在0 - 175°F (-18 - 79°C)的安装位置，到信号接收仪表的距离仅仅和电路中总回路电阻有关系。导压管线实际上可以任意长，但是响应时间会增加。
- 2. 安装方向:** 变送器对于安装方向不敏感，但所有的标准变送器都在取压口朝下安装的方式下被校准，所以虽然可以在其它安装角度应用，但是为了达到最佳精度，建议将变送器安装在工厂校准的位置。
- 3. 压力连接:** 使用少量水管工专用胶带或其密封带来防止泄漏。确保接头内的压力通道不被堵塞。
- 4. 电气连接**  
**接线长度:** 连接变送器和信号接收装置的最长距离可以根据导线的直径和接收装置的阻抗计算得到。接线电阻不应该超过接收装置的阻抗的10%。对于特远接线（超过1000英尺）选择高阻抗接收装置以减小连线的尺寸和成本。距离少于100英尺，可采用22AWG导线。



**VOLTAGE (0-5, 1-5, 0-10, 1-6 or 2-10 VDC) OUTPUT OPERATION**

(Other outputs contact the factory) See Figure G for connection of the power supply, transmitter and receiver.

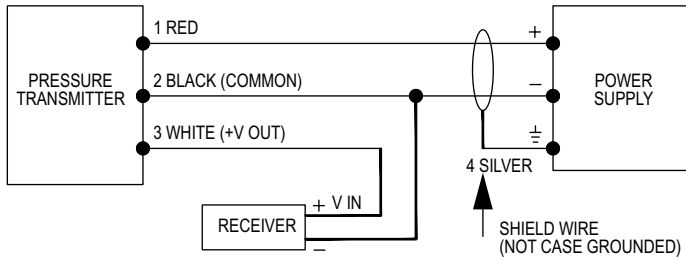


Figure G: Voltage output connection

**RATIOMETRIC (0.5-4.5 VDC) OUTPUT OPERATION**

(Other outputs contact the factory) See Figure K for connection of the power supply, transmitter and receiver.

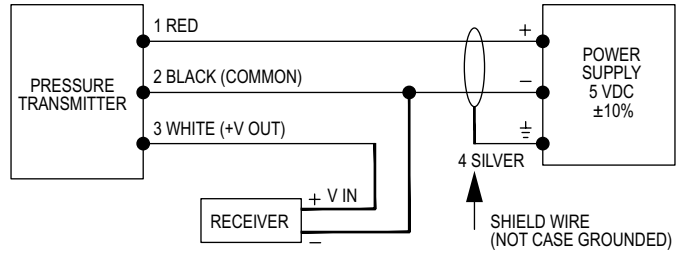


Figure K: Voltage output connection

**Conduit Housing (-CH)** Electrical connections to the pressure transmitters are made to the terminal block located inside the housing. Remove the screws and lift off the cover. Wire as shown in Figure G or Figure H. Use Figure G for voltage output connection. Use Figure H for voltage output with optional LED display connection. If ordering optional pre-wired cable, black wire is negative (-), red wire is positive (+) and white wire is +Vout.

**General Purpose Housing with Ratiometric Output** When using cable version of -GH General Purpose Housing, black wire is negative (-), red wire is positive (+) and white wire is output. When using optional Hirschman DIN Plug, remove top-center screw and lift off the terminal block assembly. Wire to terminals shown below in Figure L. For optional 4-pin M-12 connector, wire to pins as shown in Figure M. If utilizing optional A-164 cable for M-12 connection, brown wire corresponds to pin #1, white #2, blue #3, and black #4.

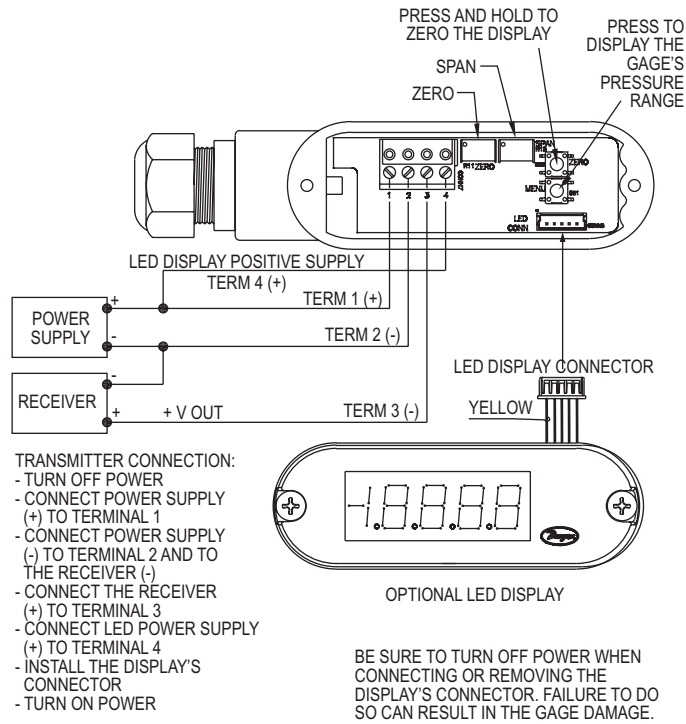


Figure H: Voltage output with optional LED display connection

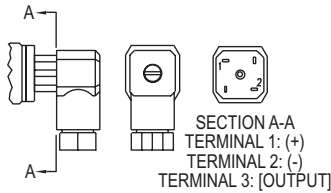


Figure L

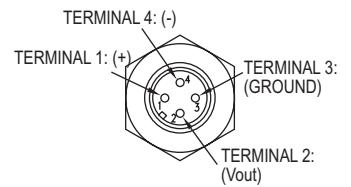


Figure M

**MAINTENANCE**

After final installation of the pressure transmitter and its companion receiver, no routine maintenance is required. A periodic check of system calibration is suggested. The Series 626 and 628 transmitters are not field repairable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

**Hirschman DIN Connector with Voltage Output** When using cable version of -GH General Purpose Housing, black wire is negative (-), red wire is positive (+) and white wire is output. When using optional Hirschman DIN Plug, remove top-center screw and lift off the terminal block assembly. Wire to terminals shown below in Figure I. For optional 4-pin M-12 connector, wire to pins as shown in Figure J. If utilizing optional A-164 cable for M-12 connection, brown wire corresponds to pin #1, white #2, blue #3, and black #4.

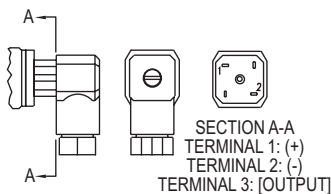


Figure I

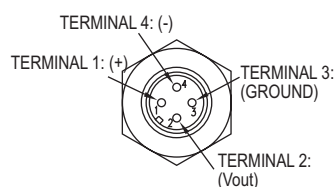


Figure J

