



压力变送器

Huba Control

压力变送器

528 系列

紧凑型的528系列压力变送器采用基于富巴公司20年积累的陶瓷厚膜技术。

该变送器适用于各种工业领域。



压力范围

-1 ... 0 - 60 bar

- + 紧凑且坚固的结构
- + 温度对精度影响较小
- + 多种连接可选
- + 使用快速接头可以帮助客户节省安装时间

技术参数总览

| | | | | |
|-----------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|-------------------------------------------|
| 压力范围 | | | | |
| 相对压力 | | | | -1 ... 0 - 60 bar |
| 绝对压力 | | | | 0 ... 1 - 16 bar |
| 使用条件 | | | | |
| 介质 | | | | 液体和气体 |
| 温度 | 介质温度 | FPM | -15 ... +125 °C | (\ominus) -15 ... +120 °C |
| | | EPDM | -40 ... +125 °C | (\ominus) -30 ... +120 °C |
| | | NBR | -20 ... +100 °C | |
| | | MVQ | -40 ... +125 °C | (\ominus) -30 ... +120 °C |
| | | FPM | -40 ... +125 °C | (\ominus) -30 ... +120 °C |
| | 环境温度 | | | -30 ... +85 °C |
| | 储存温度 | | | -50 ... +100 °C |
| 过载保护 / 破坏压力 | | | ≤ 4 bar | 3 倍的满量程 |
| | | | > 4 bar | 2.5 倍的满量程 |
| 材料 | | | | |
| 罩壳 | | | | 不锈钢 1.4404/AISI 316L |
| 调节插头 | | | | 聚芳酰胺 50%GF UL 94 V-0 |
| 与介质接触的材料 | | 压力连接 | | 不锈钢 1.4404/AISI 316L |
| | | 传感器 | | PVDF |
| | | 密封材料 | | 陶瓷 Al ₂ O ₃ (99.6%) |
| | | | | FPM, EPDM, NBR |
| 电气概述 | | | | |
| 2线 | 输出 | 供电 | 载重 | 电流损耗 |
| | 4 ... 20 mA | 7 ... 33 VDC | $< \frac{\text{供电电压} - 7V}{0.02A}$ [Ohm] | < 23 mA |
| 3线 | 4 ... 20 mA | 10 ... 30 VDC | $< \frac{\text{供电电压} - 10V}{0.02A}$ [Ohm] | < 23 mA |
| | 0 ... 5 V | 7 ... 33 VDC | > 10 kOhm / < 100 nF | < 7 mA |
| | 1 ... 6 V | 8 ... 33 VDC | > 10 kOhm / < 100 nF | < 7 mA |
| | 0 ... 10 V | 12 ... 33 VDC | > 10 kOhm / < 100 nF | < 7 mA |
| | 0 ... 10 V | 12 ... 33 VDC / 24 VAC $\pm 15\%$ | > 10 kOhm / < 100 nF | < 7 mA |
| | 比例式 10 ... 90% | 5VDC $\pm 10\%$ | > 10 kOhm / < 100 nF | < 7 mA |
| | 比例式 10 ... 90% | 5VDC $\pm 10\%$ | > 10 kOhm / < 100 nF | < 7 mA |
| 正负极反接保护 | | 短路保护和正负极保护。每个连接端均可承受最大供电电压。 | | |
| 绝缘电压 | | | | 500 VDC |
| 动态响应 | | | | |
| 响应时间 | | | | < 2 ms, 1 ms typ. |
| 载重循环频率 | | | | < 100 Hz |
| 电气连接 | | | | |
| 快速接头不带或带电缆线 1.5/2/3/5 m (PVC规格) | | | 防护等级 | 防护级别 |
| 接头 DIN EN 175301-803-A或C (工业标准 9.4 mm) | | | IP 67 | III |
| Metri Pack 150 P2S 系列 | | | IP 65 | III |
| 接头 M 12x1 | | | IP 67 | III |
| 编织电缆 | | | IP 65 | III |
| 接头 RAST 2.5 (仅3线) | | | IP 00 | III |
| 压力连接 | | | | |
| 内螺纹 | $\frac{7}{16}$ - 20 UNF | | | |
| | $\frac{1}{2}$ - 14 NPT | | | |
| | G $\frac{1}{4}$ | 带O型密封FPM (-30 ... +135 °C) | | |
| 外螺纹 | $\frac{7}{16}$ - 20 UNF | 45° 锥密封 | | |
| | $\frac{1}{4}$ - 18 NPT | | | |
| | $\frac{7}{16}$ - 20 UNF | 后端密封SAE 4 带O型密封FPM (-20 ... +135 °C) | | |
| | G $\frac{1}{4}$, G $\frac{1}{2}$, G $\frac{3}{8}$ | 后端密封DIN EN ISO 1179-2 带密封圈FPM (-30 ... +135 °C) | | |
| | G $\frac{1}{4}$, G $\frac{1}{2}$ | 后端密封和压力计 (combi) 带密封圈FPM (-30 ... +135 °C) | | |
| | G $\frac{1}{4}$ | 后端密封DIN 3852-2 form A | | |
| | R $\frac{1}{4}$ | EN 10226 | | |
| | $\frac{1}{8}$ - 27 NPT | | | |
| | G $\frac{1}{8}$ | 前端或后端密封和压力计 (combi) 带密封圈FPM (-30 ... +135 °C) | | |
| | M10 x 1 | 后端密封DIN EN ISO 1179-2 带密封圈 FPM (-30 ... +135 °C) | | |
| M20 x 1.5 | 前端密封和压力计 (combi) | | | |
| G $\frac{1}{4}$, G $\frac{1}{2}$ | 前端密封 | | | |
| 安装布置 | | | | |
| 没有严格要求 | | | 推荐: 压力接头朝下 | |
| 测试/认证 | | | | |
| 电磁兼容性 | CE认证 根据EN 61326-2-3 | | | |
| 增强电磁兼容性保护 | EN 50121-3-2 | | | |
| 冲击测试 根据IEC 68-2-27 | 100 g, 11 ms 半正弦波, 全部6个方向, 1 m高处自由落体到地面 (6x) 连续冲击 | | | |
| 振动测试 根据IEC 68-2-29 | 40 g, 6ms, 1000x 全部3个方向 | | | |
| 振动测试 根据IEC 68-2-6 | 20 g, 15 ... 2000 Hz, 15 ... 25 Hz 振幅 ± 15 mm, 1 Octave/min. 全部3个方向, 50 恒定负载 | | | |
| UL | ANSI/UL 61010-1 根据 E325110 | | | |
| 饮用水认证 | NSF/ANSI 61/372 根据 MH60087 | | | |
| EAC | | | | |
| 防爆 | | | | |
| 本质安全«i» (仅对电流输出) | | ratiom. 10 ... 90% | 4 ... 20 mA | |
| | | Ex II 1/2 G Ex ia IIC T4 Ga/Gb | Ex II 1/2 G Ex ia IIC T4 Ga/Gb | |
| | | Ex II 1/2 D Ex ia IIC T125°C Da/Db | Ex II 1/2 D Ex ia IIC T125°C Da/Db | |
| EC 型式检验证书 | | SEV 15 ATEX 0173 | SEV 10 ATEX 0145 | |
| 连接到认证过的本质安全的电阻电路最大值 | | Ui ≤ 15 VDC; Ii ≤ 200 mA; Pi ≤ 750 mW | Ui ≤ 30 VDC; Ii ≤ 100 mA; Pi ≤ 750 mW | |
| 插头版本的有效内部电容电感符合 EN 175301-803-A 或 M12x1 | | Li = 0 nH; Ci ≤ 150 nF | Li = 0 nH; Ci = 0 nF | |
| IECEx | | | SEV 16.0007 | |
| 重量 | | | | |
| ~ 90 g | | | | |
| 包装 (请在订购时注明) | | | | |
| 纸箱单个包装 | | | 包含附件 | |
| 纸箱多个包装 (25 件) | | | | |

精度

| 参数 | 单位 | 精度 |
|-----------------------|-------------|--------|
| 特征曲线 ¹⁾ | % fs | ± 0.3 |
| 分辨率 | % fs | 0.1 |
| 热特性 ²⁾ | 最大 % fs/10K | ± 0.2 |
| 长期稳定性根据IEC EN 60770-1 | 最大 % fs | ± 0.25 |

测试条件: 45%湿度 供电24VDC

选型表 (bar)

| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|------------------------------|----------------------------------------------|---------------------------------------------------------------|----------------------------|---|---|-----|-----|-----|-----|-----|-------|----|----|---|
| | | | 528. X X X X X X X X X X X | | | | | | | | | | | |
| 压力范围 (相对压力) ³⁾ | -1 ... 0 bar | | 9 | 0 | 1 | | | | | | | | | |
| | 0 ... 1 bar | | 9 | 1 | 1 | | | | | | | | | |
| | 0 ... 1.6 bar | | 9 | 1 | 2 | | | | | | | | | |
| | 0 ... 2.5 bar | | 9 | 1 | 4 | | 0,4 | | | | | | | |
| | 0 ... 4 bar | | 9 | 1 | 5 | | 0,4 | | | | | | | |
| | 0 ... 6 bar | | 9 | 1 | 7 | | 0,4 | | | | | | | |
| | 0 ... 10 bar | | 9 | 3 | 0 | | 0,4 | | | | | | | |
| | 0 ... 16 bar | | 9 | 3 | 1 | | 0,4 | | | | | | | |
| | 0 ... 25 bar | | 9 | 3 | 2 | | 0,4 | | | | | 1 | | |
| | 0 ... 40 bar | | 9 | 3 | 3 | | 0,4 | | | | | 1 | | |
| 0 ... 60 bar | | 9 | 4 | 0 | | 0,4 | | | | | 1 | | | |
| 压力范围 (绝对压力) ³⁾ | 0 ... 1 bar | | 8 | 1 | 1 | | | | | | | | | |
| | 0 ... 1.6 bar | | 8 | 1 | 2 | | | | | | | | | |
| | 0 ... 2.5 bar | | 8 | 1 | 4 | | | | | | | | | |
| | 0 ... 4 bar | | 8 | 1 | 5 | | | | | | | | | |
| | 0 ... 6 bar | | 8 | 1 | 7 | | | | | | | | | |
| | 0 ... 10 bar | | 8 | 3 | 0 | | | | | | | | | |
| 密封材料 | 0 ... 16 bar | | 8 | 3 | 1 | | | | | | | | | |
| | FPM 氟弹性体 (⑤ -15 ... +120 °C) | | | | | | 0 | | | | | | | |
| | EPDM 乙烯丙烯 | | | | | | 1 | | | | | | | |
| | NBR 丙烯腈丁二烯 | | | | | | 2 | | | | | | | |
| | MVQ 有机硅聚合物 (⑤ -30 ... +120 °C) | | | | | | 3 | | | | | | | |
| FPM 氟弹性体 (⑤ -30 ... +120 °C) | | | | | | 5 | | | | | | | | |
| 应用 | 标准 | | | | | | 0 | | | | | | | |
| | 纯氧 | | | | | | 0 | 1 | | | | 1 | 1 | |
| 输出/供电 | 饮用水认证 NSF 61 | | | | | | 0 | 4 | | | | 1 | 1 | |
| | 0 ... 5V | 7 ... 33VDC | | | | | | | 1 | | | | | |
| | 1 ... 6V | 8 ... 33VDC | | | | | | | 6 | | | | | |
| | 0 ... 10V | 12 ... 33VDC | | | | | | | | 2 | | | | |
| | | 12 ... 33VDC 增强EMC保护 | | | | | | | | C | 1,2,3 | | | |
| | | 12 ... 33VDC / 24VAC ±15% (不适用于M12x1, metri Pack, RAST, 编织电缆) | | | | | | | | 8 | | | | |
| | 比例式. 10 ... 90% | 5VDC ±10% | | | | | | | | 7 | | | | |
| | | 5VDC ±10% 防爆保护 | | | | | | 0,4 | 9 | 1,3 | | | | |
| | 4 ... 20 mA | 7 ... 33VDC | | | | | | | | 3 | | | | |
| | | 7 ... 33VDC 增强EMC保护 (不适用于编织电缆) | | | | | | | | A | | | | |
| 10 ... 30VDC 防爆保护 | | | | | | | 0,4 | 4 | 1,3 | | | 1 | | |
| 电气连接 | 接头 ⁴⁾ | DIN EN 175301-803-A | | | | | | | | | | 1 | | |
| | | DIN EN 175301-803-C (工业标准9.4 mm) | | | | | | | | | | 2 | | |
| | | M12x1 2w: IN=1 / OUT=3 3w: IN=1 / OUT=4 / GND=3 | | | | | | | | | | 3 | | |
| | | M12x1 2w: IN=1 / OUT=4 3w: IN=1 / OUT=3 / GND=4 | | | | | | | | | | M | | |
| | | M12x1 2w: IN=1 / OUT=2 3w: IN=1 / OUT=2 / GND=3 | | | | | | | | | | P | | |
| | | RAST 2.5 | | | | | | 0,4 | 7 | 4 | | | | |
| | 编织电缆 | Metri Pack150 P2S 系列 | | | | | | 0,4 | | 5 | | | | |
| | | Ø0±10 mm | | | | | | | | 6 | | | | |
| | | 290±10 mm | | | | | | | | 7 | | | | |
| | 快速接头 | 480±10 mm | | | | | | | | 8 | | | | |
| | | 730±10 mm | | | | | | | | 9 | | | | |
| | | 不带电缆 | | | | | | | | 0 | | | | |
| | | 带电缆 1.5 m | | | | | | | | L | | | | |
| | | 带电缆 2.0 m | | | | | | | | N | | | | |
| | | 带电缆 3.0 m | | | | | | | | Q | | | | |
| 压力连接 ³⁾ | 内螺纹 | 带电缆 5.0 m | | | | | | | R | | | | | |
| | | 7/16-20 UNF 锥密封 | | | | | | | | | | K | 1 | |
| | | 1/2-14 NPT | | | | | | | | | | D | 1 | |
| | 外螺纹 | G 1/4 带O型密封圈FPM | | | | | | | | | | 1 | 1 | |
| | | 7/16-20 UNF 锥密封 | | | | | | | | | | 2 | 1 | |
| | | 1/4-18 NPT | | | | | | | | | | 3 | 1 | |
| | | G 1/4 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | | | | | 4 | 1 | |
| | | G 1/4 后端密封和压力计 带密封圈 FPM | | | | | | | | | | 5 | 1 | 1 |
| | | R 1/4 根据 EN 10226 | | | | | | | | | | 7 | 1 | |
| | | G 1/2 后端密封和压力计 带密封圈 FPM | | | | | | 0,1 | | | | 8 | 1 | |
| | | 7/16-20 UNF 后端密封 SAE 4 带O型密封圈 FPM | | | | | | 0,1 | | | | G | 1 | |
| | | 1/8-27 NPT | | | | | | | | | | A | 1 | |
| | | G 1/8 前端密封 | | | | | | | | | | M | 1 | |
| | | G 1/8 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | H | 1 | |
| | | G 1/4 前端密封 | | | | | | | | | | J | | |
| | | G 1/4 后端密封 DIN 3852-2 form A ⁵⁾ | | | | | | | | | | S | 1 | |
| | | G 1/2 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | C | 1 | |
| | | M10x1 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | F | 1 | |
| M20x1.5 前端密封和压力计(combi) | | | | | | | | | | E | 1 | | | |
| G 1/2 前端密封G | | | | | | | | | | 9 | | | | |
| 压力阻尼 | 不带阻尼 | | | | | | | | | | | 1 | | |
| | 带阻尼 | | | | | | | | | | | 2 | | |
| 材料 | 不锈钢 1.4404 / AISI 316 L | | | | | | | | | | | | 1 | |
| 压力连接 | PVDF 外螺纹 ⁶⁾ | 前端密封配G 1/4, G 1/2 | | | | | | | | | J,9 | 1 | 2 | |
| 压力范围变化 (可选) | 请标注W, 并在订单上注明范围 (例如: W0...+3 bar/OUT 0...5V) | | | | | | | | | | | | W | |

¹⁾ 典型的: 最大0.5%fs (包含零点, 满量程, 线性, 滞后性和可重复性)

²⁾ -15 ... 85 °C

³⁾ 其他压力范围或压力连接可根据要求设置

⁴⁾ 发货不带母接头

⁵⁾ 不带UL认证

⁶⁾ 介质温度 -15 ... 85 °C

| 选型表 (psi) | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | |
|--------------------------------------|-------------------------------------------------|-------------------------------------------------------------|------|---|-----|-----|-----|---|---|-----|-------|-----|----|---|---|
| | | | 528. | X | X | X | X | X | X | X | X | X | X | | |
| 压力范围 (相对压力) ¹⁾ | -30... 0" hg | | 9 | B | 0 | | | | | | | | | | |
| | 0... 15 psi | | 9 | B | 1 | | | | | | | | | | |
| | 0... 20 psi | | 9 | B | 2 | | | | | | | | | | |
| | 0... 30 psi | | 9 | B | 4 | | 0,4 | | | | | | | | |
| | 0... 60 psi | | 9 | B | 5 | | 0,4 | | | | | | | | |
| | 0... 100 psi | | 9 | B | 7 | | 0,4 | | | | | | | | |
| | 0... 150 psi | | 9 | C | 0 | | 0,4 | | | | | | | | |
| | 0... 200 psi | | 9 | C | 1 | | 0,4 | | | | | | | | |
| | 0... 300 psi | | 9 | C | 2 | | 0,4 | | | | | 1 | | | |
| | 0... 500 psi | | 9 | C | 3 | | 0,4 | | | | | 1 | | | |
| 压力范围 (绝对压力) ¹⁾ | 0... 750 psi | | 9 | D | 0 | | 0,4 | | | | | 1 | | | |
| | 0... 15 psi | | 8 | B | 1 | | | | | | | | | | |
| | 0... 20 psi | | 8 | B | 2 | | | | | | | | | | |
| | 0... 30 psi | | 8 | B | 4 | | | | | | | | | | |
| | 0... 60 psi | | 8 | B | 5 | | | | | | | | | | |
| | 0... 100 psi | | 8 | B | 7 | | | | | | | | | | |
| 密封材料 | FPM | 氟弹性体 (⑥) -15 ... +120 °C | | | | | 0 | | | | | | | | |
| | EPDM | 乙烯丙烯 (⑥) -30 ... +120 °C | | | | | 1 | | | | | | | | |
| | NBR | 丙烯腈丁二烯 | | | | | 2 | | | | | | | | |
| | MVQ | 有机硅聚合 (⑥) -30 ... +120 °C | | | | | 3 | | | | | | | | |
| | FPM | 氟弹性体 (⑥) -30 ... +120 °C | | | | | 5 | | | | | | | | |
| 应用 | 标准 | | | | | | 0 | | | | | | | | |
| | 纯氧 | | | | | | 0 | 1 | | | | 1 | 1 | | |
| 输出/供电 | 饮用水认证NSF 61 | | | | | | 0 | 4 | | | | 1 | 1 | | |
| | 0... 5V | 7... 33VDC | | | | | | | 1 | | | | | | |
| | 1... 6V | 8... 33VDC | | | | | | | 6 | | | | | | |
| | 0... 10V | 12... 33VDC | | | | | | | | 2 | | | | | |
| | | 12... 33VDC 增强EMC保护 | | | | | | | | C | 1,2,3 | | | | |
| | | 12... 33VDC / 24VAC ±15% (不适用于M12x1, metriPack, RAST, 编织电缆) | | | | | | | | 8 | | | | | |
| | 比例式. 10... 90% | 5VDC ±10% | | | | | | | | 7 | | | | | |
| | | 5VDC ±10% 防爆保护 | | | | | 0,4 | | | 9 | 1,3 | | 1 | | |
| | 4... 20 mA | 7... 33VDC | | | | | | | | 3 | | | | | |
| | | 7... 33VDC 增强EMC保护 (不适用于编织电缆) | | | | | | | | A | | | | | |
| 10... 30VDC 防爆保护 | | | | | | 0,4 | | | 4 | 1,3 | | 1 | | | |
| 电气连接 | 接头 ²⁾ | DIN EN 175301-803-A | | | | | | | | | | 1 | | | |
| | | DIN EN 175301-803-C (工业标准9.4 mm) | | | | | | | | | | | 2 | | |
| | | M12x1 2w: IN=1 / OUT=3 3w: IN=1 / OUT=4 / GND=3 | | | | | | | | | | | | 3 | |
| | | M12x1 2w: IN=1 / OUT=4 3w: IN=1 / OUT=3 / GND=4 | | | | | | | | | | | | M | |
| | | M12x1 2w: IN=1 / OUT=2 3w: IN=1 / OUT=2 / GND=3 | | | | | | | | | | | | P | |
| | | RAST 2.5 | | | | | 0,4 | | 7 | | | | 4 | | |
| | 编织电缆 | MetriPack150 P2S系列 | | | | | 0,4 | | | | | | 5 | | |
| | | 80±10 mm | | | | | | | | | | | | 6 | |
| | | 290±10 mm | | | | | | | | | | | | 7 | |
| | | 480±10 mm | | | | | | | | | | | | 8 | |
| | 快速接头 | 730±10 mm | | | | | | | | | | | | 9 | |
| | | 不带电缆 | | | | | | | | | | | | 0 | |
| | | 带电缆1.5 m | | | | | | | | | | | | L | |
| | | 带电缆2.0 m | | | | | | | | | | | | N | |
| | | 带电缆3.0 m | | | | | | | | | | | | Q | |
| | | 带电缆5.0 m | | | | | | | | | | | | R | |
| 压力连接 ³⁾ | 内螺纹 | 1/16-20UNF锥密封 | | | | | | | | | | | K | 1 | |
| | | 1/2-14NPT | | | | | | | | | | | | D | 1 |
| | | G 1/4 带O型密封圈FPM | | | | | | | | | | | | 1 | 1 |
| | | G 1/4 后端密封DIN EN ISO 1179-2 带密封圈FPM | | | | | | | | | | | | 2 | 1 |
| | 外螺纹 | 1/16-20UNF锥密封 | | | | | | | | | | | | 2 | 1 |
| | | 1/4-18 NPT | | | | | | | | | | | | 3 | 1 |
| | | G 1/4 后端密封和压力计 带密封圈 FPM | | | | | | | | | | | | 4 | 1 |
| | | G 1/4 后端密封和压力计 带密封圈 FPM | | | | | | | | | | | | 5 | 1 |
| | | R 1/4 根据 EN 10226 | | | | | | | | | | | | 7 | 1 |
| | | G 1/2 后端密封和压力计 带密封圈 FPM | | | | | 0,1 | | | | | | | 8 | 1 |
| | | 1/16-20 UNF 后端密封 SAE 4 带O型密封圈 FPM | | | | | 0,1 | | | | | | | G | 1 |
| | | 1/8-27 NPT | | | | | | | | | | | | A | 1 |
| | | G 1/8 前端密封 | | | | | | | | | | | | M | 1 |
| | | G 1/8 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | 0,1 | | | | | | | H | 1 |
| | | G 1/4 前端密封 | | | | | | | | | | | | J | |
| | | G 1/4 后端密封 DIN 3852-2 form A ³⁾ | | | | | | | | | | | | S | 1 |
| G 1/2 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | 0,1 | | | | | | | C | 1 | | |
| M10x1 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | 0,1 | | | | | | | F | 1 | | |
| M20x1.5 前端密封和压力计 (combi) | | | | | | | | | | | | E | 1 | | |
| G 1/2 前端密封 | | | | | | | | | | | | 9 | | | |
| 压力阻尼 | 不带阻尼 | | | | | | | | | | | | 1 | | |
| | 带阻尼 | | | | | | | | | | | | 2 | | |
| 材料 | 不锈钢1.4404 / AISI 316 L | | | | | | | | | | | | | | |
| | PVDF 外螺纹 ³⁾ | 前端密封配G 1/4, G 1/2 ≤ 200 psi | | | | | | | | | | J,9 | 1 | 2 | |
| 压力链接 | | | | | | | | | | | | | | | |
| 压力范围变化 (可选) | 请标注W, 并在订单上注明范围 (例如: W0... + 16 psi/OUT 0...5V) | | | | | | | | | | | | | W | |

¹⁾ 其他压力范围或压力连接可根据要求设置

²⁾ 发货不带母接头

³⁾ 不带UL认证

⁴⁾ 介质温度-15...+85°C

| 选型表 (MPa) | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|---------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|------|---|---|---|-----|-----|---|---|-----|-------|----|---|
| | | | 528. | X | X | X | X | X | X | X | X | X | X | |
| 压力范围 (相对压力) ¹⁾ | -0.1 ... 0 MPa | | 9 | G | 0 | | | | | | | | | |
| | 0 ... 0.1 MPa | | 9 | G | 1 | | | | | | | | | |
| | 0 ... 0.16 MPa | | 9 | G | 2 | | | | | | | | | |
| | 0 ... 0.25 MPa | | 9 | G | 4 | | 0,4 | | | | | | | |
| | 0 ... 0.4 MPa | | 9 | G | 5 | | 0,4 | | | | | | | |
| | 0 ... 0.6 MPa | | 9 | G | 7 | | 0,4 | | | | | | | |
| | 0 ... 1 MPa | | 9 | H | 0 | | 0,4 | | | | | | | |
| | 0 ... 1.6 MPa | | 9 | H | 1 | | 0,4 | | | | | | | |
| | 0 ... 2.5 MPa | | 9 | H | 2 | | 0,4 | | | | | | 1 | |
| | 0 ... 4 MPa | | 9 | H | 3 | | 0,4 | | | | | | 1 | |
| 压力范围 (绝对压力) ¹⁾ | 0 ... 6 MPa | | 9 | K | 0 | | 0,4 | | | | | | 1 | |
| | 0 ... 0.1 MPa | | 8 | G | 1 | | | | | | | | | |
| | 0 ... 0.16 MPa | | 8 | G | 2 | | | | | | | | | |
| | 0 ... 0.25 MPa | | 8 | G | 4 | | | | | | | | | |
| | 0 ... 0.4 MPa | | 8 | G | 5 | | | | | | | | | |
| | 0 ... 0.6 MPa | | 8 | G | 7 | | | | | | | | | |
| 密封材料 | FPM | 氟弹性体 (⑥ -15 ... +120 °C) | | | | | 0 | | | | | | | |
| | EPDM | 乙烯丙烯 (⑥ -30 ... +120 °C) | | | | | 1 | | | | | | | |
| | NBR | 丙烯腈丁二烯 | | | | | 2 | | | | | | | |
| | MVQ | 有机硅聚合 (⑥ -30 ... +120 °C) | | | | | 3 | | | | | | | |
| 应用 | FPM | 乙烯丙烯 (⑥ -30 ... +120 °C) | | | | | 5 | | | | | | | |
| | 标准 | | | | | | 0 | | | | | | | |
| 输出/供电 | 纯氧 | | | | | | 0 | 1 | | | | 1 | 1 | |
| | 饮用水认证NSF 61 | | | | | | 0 | 4 | | | | 1 | 1 | |
| | 0 ... 5V | 7 ... 33 VDC | | | | | | | | 1 | | | | |
| | 1 ... 6V | 8 ... 33 VDC | | | | | | | | 6 | | | | |
| | 0 ... 10V | 12 ... 33 VDC | | | | | | | | | 2 | | | |
| | | 12 ... 33 VDC 增强EMC保护 | | | | | | | | | C | 1,2,3 | | |
| | | 12 ... 33 VDC / 24 VAC ±15% (不适用于M12x1, metri Pack, RAST, 编织电缆) | | | | | | | | | 8 | | | |
| | 比例式. 10 ... 90% | 5 VDC ±10% | | | | | | | | | 7 | | | |
| | | 5 VDC ±10% 防爆保护 | | | | | | 0,4 | | | 9 | 1,3 | | 1 |
| | 4 ... 20 mA | 7 ... 33 VDC | | | | | | | | | 3 | | | |
| 7 ... 33 VDC 增强EMC保护 (不适用于编织电缆) | | | | | | | | | | A | | | | |
| 电气连接 | 接头 ²⁾ | DIN EN 175301-803-A | | | | | | | | | 1 | | | |
| | | DIN EN 175301-803-C (工业标准9.4 mm) | | | | | | | | | 2 | | | |
| | | M12x1 2w: IN=1 / OUT=3 3w: IN=1 / OUT=4 / GND=3 | | | | | | | | | | 3 | | |
| | | M12x1 2w: IN=1 / OUT=4 3w: IN=1 / OUT=3 / GND=4 | | | | | | | | | | M | | |
| | | M12x1 2w: IN=1 / OUT=2 3w: IN=1 / OUT=2 / GND=3 | | | | | | | | | | P | | |
| | | RAST 2.5 | | | | | | 0,4 | 7 | | | 4 | | |
| | 编织电缆 | MetriPack150P2S系列 | | | | | | 0,4 | | | 5 | | | |
| | | 80±10 mm | | | | | | | | | 6 | | | |
| | | 290±10 mm | | | | | | | | | 7 | | | |
| | | 480±10 mm | | | | | | | | | 8 | | | |
| | 快速接头 | 730±10 mm | | | | | | | | | 9 | | | |
| | | 不带电缆 | | | | | | | | | 0 | | | |
| | | 带电缆1.5 m | | | | | | | | | L | | | |
| | | 带电缆2.0 m | | | | | | | | | N | | | |
| | | 带电缆3.0 m | | | | | | | | | Q | | | |
| | | 带电缆5.0 m | | | | | | | | | R | | | |
| 压力连接 ³⁾ | 内螺纹 | 7/16 -20UNF锥密封 | | | | | | | | | | K | 1 | |
| | | 1/2 -14 NPT | | | | | | | | | | D | 1 | |
| | | G 1/4 带O型密封圈 FPM | | | | | | | | | | 1 | 1 | |
| | | G 1/4 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | | | | | 2 | 1 | |
| | 外螺纹 | 1/4 -18 NPT | | | | | | | | | | 3 | 1 | |
| | | G 1/4 后端密封和压力计 带密封圈 FPM | | | | | | | | | | 4 | 1 | |
| | | R 1/4 根据 EN 10226 | | | | | | | | | | 5 | 1 | |
| | | G 1/2 后端密封和压力计 带密封圈 FPM | | | | | | | | | | 7 | 1 | |
| | | G 1/2 后端密封和压力计 带密封圈 FPM | | | | | | 0,1 | | | | 8 | 1 | |
| | | 7/16 -20 UNF 后端密封 SAE 4 带O型密封圈 FPM | | | | | | 0,1 | | | | G | 1 | |
| | | 1/8 - 27 NPT | | | | | | | | | | A | 1 | |
| | | G 1/8 前端密封 | | | | | | | | | | M | 1 | |
| | | G 1/8 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | H | 1 | |
| | | G 1/4 前端密封 | | | | | | | | | | J | | |
| | | G 1/4 后端密封 DIN 3852-2 form A ³⁾ | | | | | | | | | | S | 1 | |
| | | G 1/2 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | C | 1 | |
| 压力阻尼 | M10x1 后端密封DIN EN ISO 1179-2 带密封圈 FPM | | | | | | 0,1 | | | | F | 1 | | |
| | M20x1.5 前端密封和压力计(combi) | | | | | | | | | | E | 1 | | |
| | G 1/2 前端密封 | | | | | | | | | | 9 | | | |
| | | | | | | | | | | | | 1 | | |
| 材料 | 不带阻尼 | | | | | | | | | | | 1 | | |
| | 带阻尼 | | | | | | | | | | | 2 | | |
| 压力链接 | 不锈钢1.4404 /AISI 316 L | | | | | | | | | | | | 1 | |
| | PVDF 外螺纹 ³⁾ 前端密封配 G 1/4, G 1/2 ≤ 1.6 MPa | | | | | | | | | | J,9 | 1 | 2 | |
| 压力范围变化 (可选) | 请标注W, 并在订单上注明范围 (例如: W0...+0.3 MPa/OUT 0...5V) | | | | | | | | | | | | W | |

¹⁾ 其他压力范围或压力连接可根据要求设置

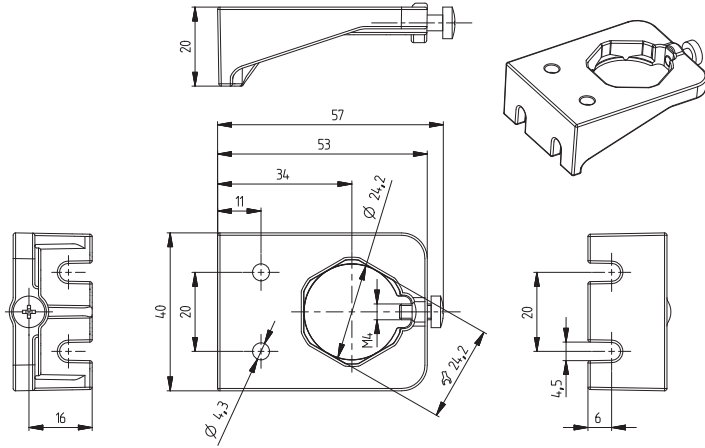
²⁾ 发货不带母接头

³⁾ 不带UL认证

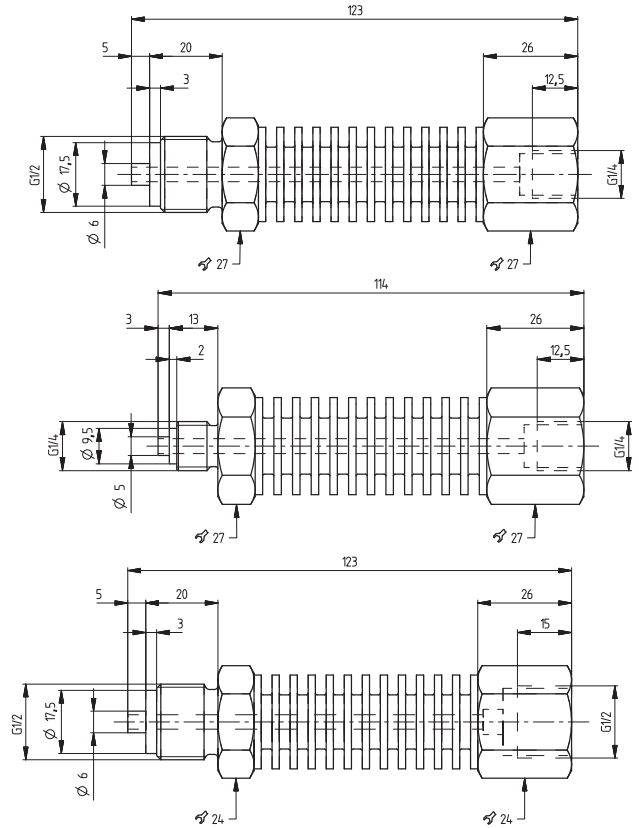
⁴⁾ 介质温度-15...+85°C

| | |
|--------------------------|--------|
| 快速接头 | 117312 |
| 母接头DINEN 175301-803-A带密封 | 103510 |
| 母接头DINEN 175301-803-C带密封 | 104244 |
| 角线盒配M12x1接头带电缆线 | 106975 |
| 角线盒配接头M12x1带电缆线2.0m | 114604 |
| 直线盒配接头M12x1 | 114570 |
| 直线盒配接头M12x1带电缆线2.0m | 114605 |
| 安装支架带螺丝 | 118716 |
| 散热器带外螺纹G 1/2前端密封 内螺纹G1/2 | 105631 |
| 散热器带外螺纹G 1/2前端密封 内螺纹G1/4 | 105073 |
| 散热器带外螺纹G 1/4前端密封 内螺纹G1/4 | 105074 |
| 校验证书 | 104551 |

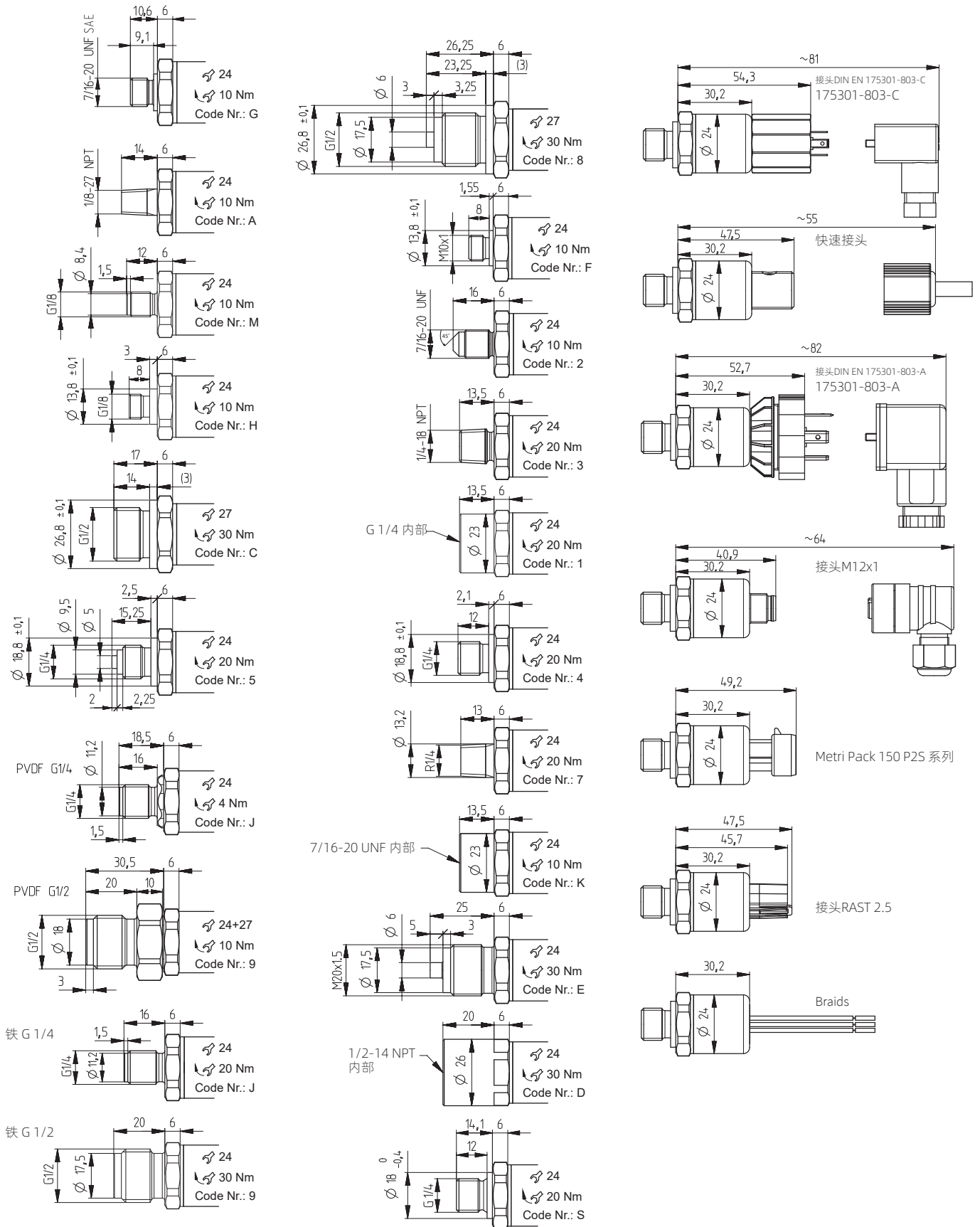
安装支架带螺丝



散热器



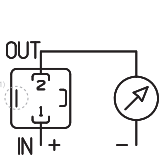
尺寸 (mm)



电气连接

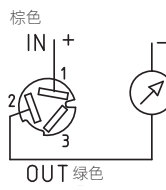
2 线

接头DIN
EN 175301-803-A或C



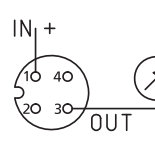
1 (IN) 2 (OUT)

快速接头



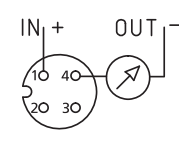
1 (IN) 2 (OUT)

接头 M12x1



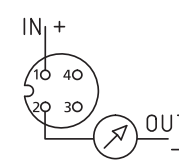
1 (IN) 3 (OUT)

接头 M12x1



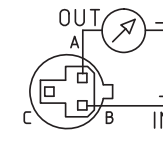
1 (IN) 4 (OUT)

接头 M12x1



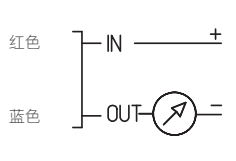
1 (IN) 2 (OUT)

Metri Pack 150 P2S 系列



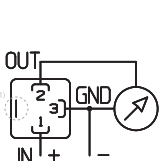
B (IN) A (OUT)

编织电缆



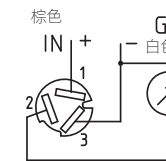
3 线

接头DIN
EN 175301-803-A or C



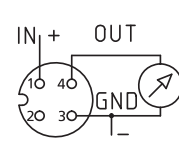
1 (IN) 2 (OUT) 3 (GND)

快速接头



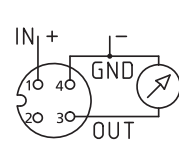
1 (IN) 2 (OUT) 3 (GND)

接头 M12x1



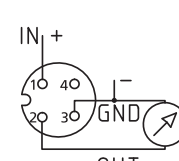
1 (IN) 4 (OUT) 3 (GND)

接头 M12x1



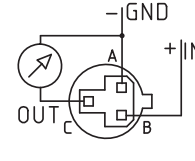
1 (IN) 3 (OUT) 4 (GND)

接头 M12x1



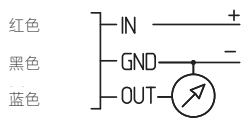
1 (IN) 2 (OUT) 3 (GND)

Metri Pack 150 P2S 系列

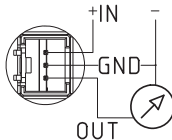


B (IN) C (OUT) A (GND)

编织电缆

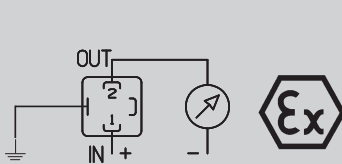


接头 RAST 2.5



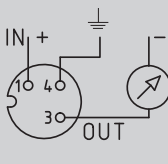
设备带防爆保护设计: 4...20mA
接地连接与变送器壳体导通

接头DIN EN
EN 175301-803-A



1 (IN) 2 (OUT) ↓

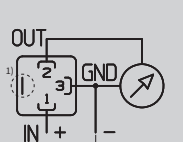
接头 M12x1



1 (IN) 3 (OUT) 4 (↓)

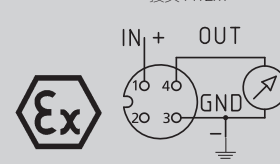
设备带防爆保护设计: 比例式10...90%
电子接地通过1MΩ的电阻与变送器壳体导通

接头DIN EN
EN 175301-803-A



1 (IN) 2 (OUT) 3 (GND)

接头 M12x1



1 (IN) 3 (GND) 4 (OUT)

1) 不与变送器壳体连接