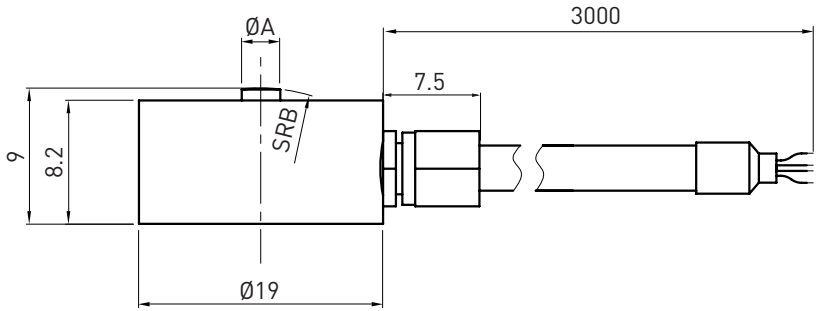


# 压式结构传感器

tec sis  
F1817



## 尺寸及量程 / Size and Capacity



| CAP [kg]            | SIZE(mm) | A  | B  | 材料/Material     | 重量/Weight |
|---------------------|----------|----|----|-----------------|-----------|
| 5/10/15/20/25/30/50 | 2        | 15 | 20 | 不锈钢             | 0.2kg     |
| 100/200/300         | 3        |    |    | Stainless steel |           |
| 500/1000            | 5        |    |    |                 |           |



## 特点和用途 / Features & Applications

- 微型传感器，外形小巧
- 不锈钢，IP64
- 适用于保压设备、手机装配力、按键手感测试、压机压力检测、机器人手抓力等各种小空间测力
- Miniature load cell, low profile
- Made of stainless steel ,IP64
- Suitable for force measurement in limited spaces
- Various applications such as consumer electronics assembly, automation industry

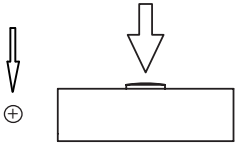


## 技术参数 / Technical Parameters

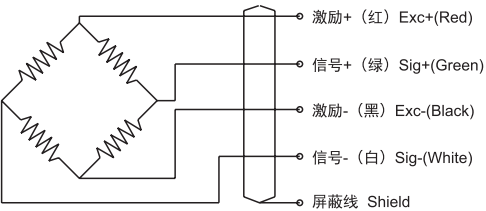
| 参数      | Specifications          | 技术指标/Technique                                                                                |
|---------|-------------------------|-----------------------------------------------------------------------------------------------|
| 输出灵敏度   | Rated output            | 1.5 ± 10% mV / V                                                                              |
| 零点输出    | Zero balance            | ± 2% F.S.                                                                                     |
| 非线性     | Non-linearity           | ≤1% F.S.                                                                                      |
| 滞后      | Hysteresis              | 0.25 % F.S.                                                                                   |
| 重复性     | Repeatability           | 0.25% F.S.                                                                                    |
| 温度灵敏度漂移 | Temp. effect on output  | 0.36% F.S. / 10°C                                                                             |
| 零点温度漂移  | Temp. effect on zero    | 0.18% F.S. / 10°C                                                                             |
| 输入电阻    | Input impedance         | 350 ± 10 Ω                                                                                    |
| 输出电阻    | Output impedance        | 350 ± 5 Ω                                                                                     |
| 绝缘电阻    | Insulation              | ≥5000M Ω / 100VDC                                                                             |
| 激励电压    | Recommended excitation  | 5V                                                                                            |
| 最大激励电压  | Maximum excitation      | 10V                                                                                           |
| 温度补偿范围  | Compensated temp. range | - 10 ~ 60°C                                                                                   |
| 工作温度范围  | Operation temp. range   | - 20 ~ 80°C                                                                                   |
| 安全超载    | Safe overload           | 120% F.S.                                                                                     |
| 极限超载    | Ultimate overload       | 200% F.S.                                                                                     |
| 电缆线尺寸   | Cable size              | Ø2 × 3000 mm                                                                                  |
| 防护等级    | Protection class        | IP64                                                                                          |
| 连接方式    | Cable color code        | Input: Red(+) Black(-);<br>Output: Green(+) White(-);<br>输入: 红 (+) 黑 (-);<br>输出: 绿 (+) 白 (-); |



## 受力方式 / Load Direction



## 接线图 / Schematic Wiring Diagram



注：屏蔽线不与弹性体相连。  
Note: Cable shield is not connected to element.

Model:F1817

04/2016 V2.2