

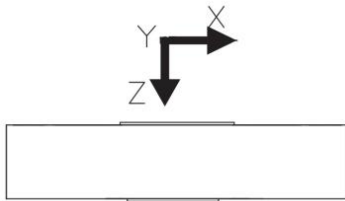
# JUL-3D20A 三轴力传感器



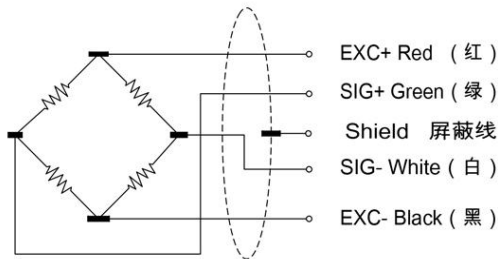
## ■特点与用途 Features&Applications

- ▶ X,Y,Z 三向力测量
- ▶ 结构紧凑，安装使用方便
- ▶ 高精度，长期稳定性好
- ▶ 采用高精度电阻应变式原理，动态响应频率高
- ▶ 适用于自动化装配，机器人抛光、打磨、切割设备，防撞系统等多维力测控领域

## ■传感器受力图 Force diagram of sensor



## ■传感器接线图 Sensor wiring diagram



## 技术参数 Technical specifications

|         |                        |                |
|---------|------------------------|----------------|
| 量程      | Capacity               | Fxyz : 5-50N   |
| 输出灵敏度   | Rated output           | 1.0±0.2mV/V    |
| 零点输出    | Zero balance           | ±0.02mV/V      |
| 非线性     | Non-linearity          | 0.2%F.S        |
| 滞后      | Hysteresis             | 0.2%F.S        |
| 重复性     | Repeatability          | 0.2%F.S        |
| 串扰      | Crosstalk              | ≤0.5%F.S       |
| 输入电阻    | Input impedance        | 350±10Ω        |
| 输出电阻    | Output impedance       | 350±5Ω         |
| 绝缘电阻    | Insulation             | ≥5000MΩ/100VDC |
| 激励电压    | Recommended excitation | 5 ~ 15VDC      |
| 温度灵敏度漂移 | Temp.effect.on output  | 0.1%F.S./10°C  |
| 零点温度偏移  | Temp.effect.on zero    | 0.1%F.S./10°C  |
| 温度补偿范围  | Compensated temp range | -10 ~ 60°C     |
| 工作温度    | Operation temp range   | -20 ~ 80°C     |
| 安全超载    | Safe overload          | 150%           |
| 极限超载    | Ultimate overload      | 200%           |
| 电缆尺寸    | Cable size             | Φ2x3000mm      |

## 外形尺寸 External Dimension

