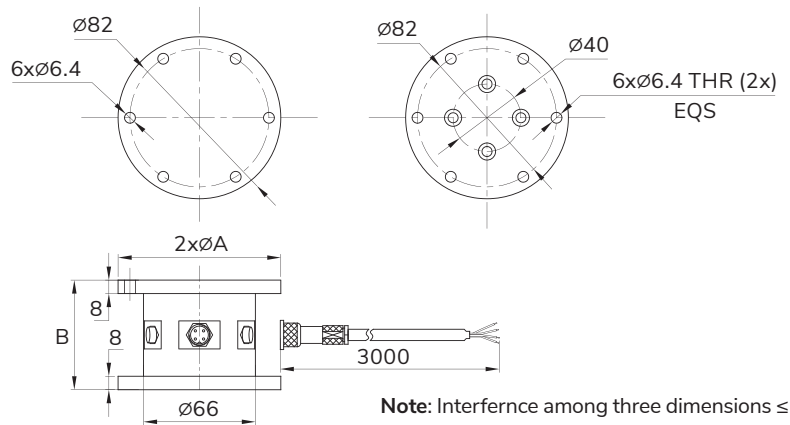




DIMENSIONS / 尺寸



Note: Interference among three dimensions $\leq 5\%$
注：三个方向的力相互干扰误差 $\leq 5\%$

FEATURES & APPLICATIONS / 特点和用途

- Multi Load Type (Force)
- Three Dimensional Force Sensor
- Easily Integrates Into OEM Applications
- Designed For Torque Auditing
- Used For Robotic Applications

- 多分力传感器
- 三维力
- 轻松集成到OEM应用程序中
- 专为扭矩测力而设计
- 用于机器人领域

CAPACITIES / 量程

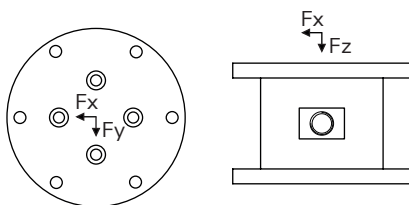
| CAP (Kg) | SIZE (mm) | $\varnothing A$ | B |
|--|-----------|-----------------|----|
| X:20/30/50/100/150/200/300/500 Y:20/30/50/100/150/200/300/500 Z:30/50/100/200/300/500/1000 | | 96 | 65 |

SPECIFICATIONS 详细描述

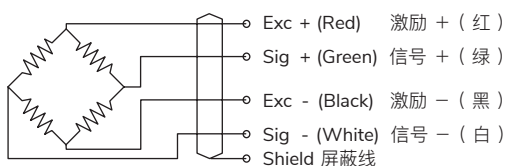
TECHNIQUE / 技术指标

| PERFORMANCE | 产品性能 | |
|-------------------------|---------|---|
| Non-Linearity | 非线性 | $\pm 0.5\%$ of RO |
| Hysteresis | 滞后 | $\pm 0.25\%$ of RO |
| Repeatability | 重复性 | $\pm 0.25\%$ of RO |
| Creep (30min) | 蠕变 | $\pm 0.2\%$ of RO |
| Zero Balance | 零点输出 | $\pm 2\%$ of RO |
| ELECTRICAL | 电气特性 | |
| Rated Output | 输出灵敏度 | $1.0 \pm 10\%$ mV/V |
| Recommended Excitation | 激励电压 | 10 VDC |
| Maximum Excitation | 最大激励电压 | 15 VDC |
| Input Impedance | 输入电阻 | $385 \pm 30 \Omega$ |
| Output Impedance | 输出电阻 | $350 \pm 5 \Omega$ |
| Insulation | 绝缘电阻 | $\geq 5000 \text{ M}\Omega / 100 \text{ VDC}$ |
| Cable Color Code | 连接方式 | Input/输入: Red / 红 (E+) Black / 黑 (E-) Output/输出: Green / 绿 (S+) White / 白 (S-) |
| MECHANICAL | 机械特性 | |
| Weight | 重量 | 1.8Kg |
| Safe Overload | 安全超载 | 120% of RO |
| Ultimate Overload | 极限超载 | 200% of RO |
| Material | 材料 | Stainless Steel / 不锈钢 |
| Cable Size | 电缆线尺寸 | 3 x $\varnothing 5$ x 3000 mm |
| IP Rating | 防护等级 | IP65 |
| TEMPERATURE | 温度特性 | |
| Operating Temperature | 工作温度范围 | -20 ~ 80°C |
| Compensated Temp. Range | 温度补偿范围 | -10 ~ 60°C |
| Temp. Effect On Output | 温度灵敏度漂移 | $\pm 0.05\%$ of RO / 10°C |
| Temp. Effect On Zero | 零点温度漂移 | $\pm 0.05\%$ of RO / 10°C |
| CONFORMITY | 遵循 | |
| RoHS | | 2011/65/EU |
| CE | | 2014/35/EU |

LOAD DIRECTION / 受力方向



SCHEMATIC WIRING DIAGRAM / 接线图



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