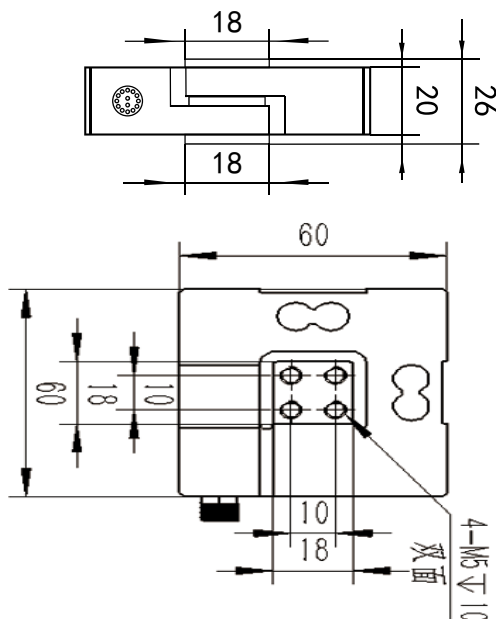


安装尺寸 MOUNTING DIMENSION

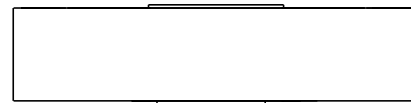
MS5004



特点和用途 FEATURES & APPLICATIONS

- ◆ 三维力传感器, 不锈钢材料
 - ◆ 精度高, 抗偏载能力强, 干扰小, 一体式结构容易
 - ◆ 安装, 接受客户定制规格
 - ◆ 用于机械手臂, 多方向空间力的控制
- ◆ Three dimension force sensor, stainless steel materials
 - ◆ High precision, anti-bias load ability, small thousand
 - ◆ disturbance, integral structure capacity
 - ◆ Easy to install and accept custom specifications
- Used for robotic arm, multi - directional space force control

受力方式 Load Direction



配线图 Wiring Code

供电	EXC+	Blue (蓝)
	EXC-	Black (黑)
X信号	SIG+	Gray (灰)
	SIG-	Green (绿)
Y信号	SIG+	Brown (棕)
	SIG-	Yellow (黄)
Z信号	SIG+	White (白)
	SIG-	Red (红)

技术参数 TECHNICAL PARAMETERS

参数	Specifications	技术指标/Technique
额定容量	Capacity(N)	X:10/20/50/100 Y:10/20/50/100 Z:10/20/50/100
输出灵敏度	Rated output	≈1.0mV/V
零点输出	Zero balance	±2%F.S.
非线性	Non-linearity	0.2%F.S.
滞后	Hysteresis	0.2%F.S.
重复性	Repeatability	0.2%F.S.
互扰误差	Interference error	0.5%F.S.
温度灵敏度漂移	Temp.effect on output	0.1%F.S./10℃
零点温度漂移	Temp.effect on zero	0.1%F.S./10℃
输入电阻	Input impedance	350±5Ω
输出电阻	Output impedance	350±5Ω
绝缘电阻	Insulation	≥5000MΩ/100VDC
激励电压	Excitation Voltage	5~12V
最大激励电压	excitation Voltage	15V
温度补偿范围	Compensated temp range	-10~40℃
工作温度范围	Operation temp range	-20~60℃
安全超载	Safe overload	150%F.S.
极限超载	Ultimate overload	300%F.S.
电缆线尺寸	Cable size	Φ3.2x3000mm