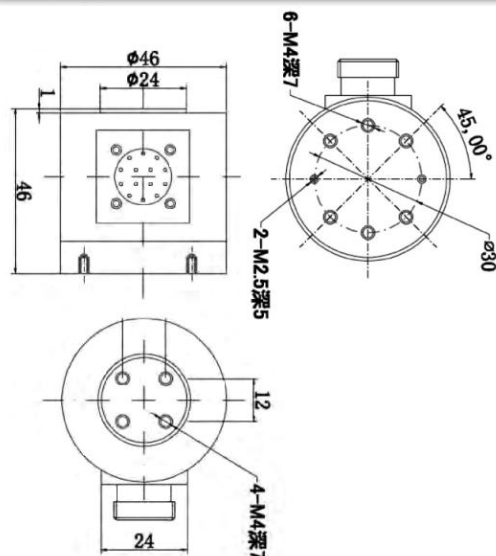




外形尺寸/ Dimensions



特点和用途 / Features & Applications

- 高精度，抗偏载
 - 每个方向可以拉压双向测力，三个维度分别由一个惠斯全桥电路组成，不需要耦合运算，直接输出与力值大小成正比的模拟量信号
 - 主要主用小空间三维力测量，机器人执行力测量，打磨力测量，力学模拟器，材料测试高校力学实验等
- ❖ High precision, anti-partial load
 - ❖ Each direction can pull the pressure bidirectional force measurement, the three dimensions are composed of a Wyeth all-bridge circuit, Without the lotus root operation, we will directly output the analog quantity signal proportional to the force size
 - ❖ Mainly use small space three-dimensional force measurement, robot execution measurement, grinding force measurement, mechanical simulator, Material test university mechanical experiments, etc

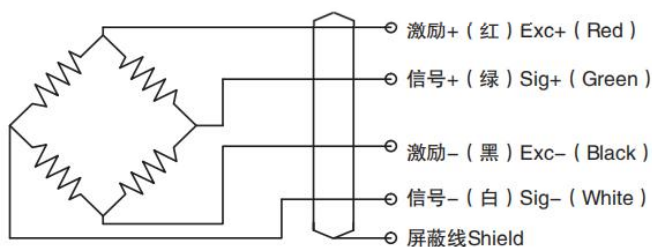
受力方向量程 (kg)

X	5/10/20/50
Y	5/10/20/50
Z	5/10/20/50/100

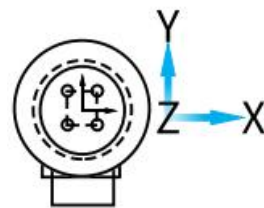
技术参数 / Technical Parameters

量 程 Capacity	5~100kg	绝缘阻抗 Insulation	$\geq 5000M\Omega / 100V DC$
额定输出 Rated output	$1.0 \pm 10\% mV / V$	温度补偿范围 Compensated temp range	$-10^{\circ}C \sim 60^{\circ}C$
滞 后 Hysteresis	1% R.O.	工作温度范围 temp range	$-20^{\circ}C \sim 75^{\circ}C$
重 复 性 Repeatability	5% R.O.	推荐激励电压 Recommended excitation	5~10V DC
非 线 性 Non-linearity	1% R.O.	安全载荷 Safe overload	120% R.C.
耦合精度 Coupling accuracy	0.5% R.O.	最大负载 Ultimate overload	200% R.C.
零点输出 Zero balance	$\pm 2\% R.O.$	响应频率 Response frequency	10KHZ
蠕 变 Creep	0.1% R.O.	材质 Material	合金钢
零点温漂 Temp.effect on zero	0.05 % R.O. / $10^{\circ}C$	电缆线规格 Cable Specifications	$\varnothing 6 \times 3m$
灵敏度温漂 Temp.effect on output	0.05% R.O. / $^{\circ}10C$	张缆极限拉力 Cable Ultimate pull	10kg
输入阻抗 Input impedance	700 Ω	TEDS	可选
输出阻抗 Out impedance	700 Ω		

接线图 / Schematic Wiring Diagram



受力方式/ Force Direction



注：屏蔽线不与弹性体相连。

Note: Cable shield is not connected to element.