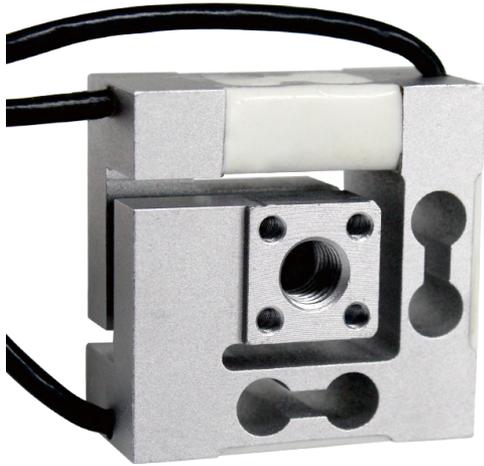


DYDW-004 多维力传感器 Multi dimensional force sensor



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质铝合金材质。

应用领域:

应用于机器人打磨, 焊接, 装配等关节力检测, 机器人触觉力示教, 疲劳试验机, 汽车耐久试验, 假人碰撞实验等

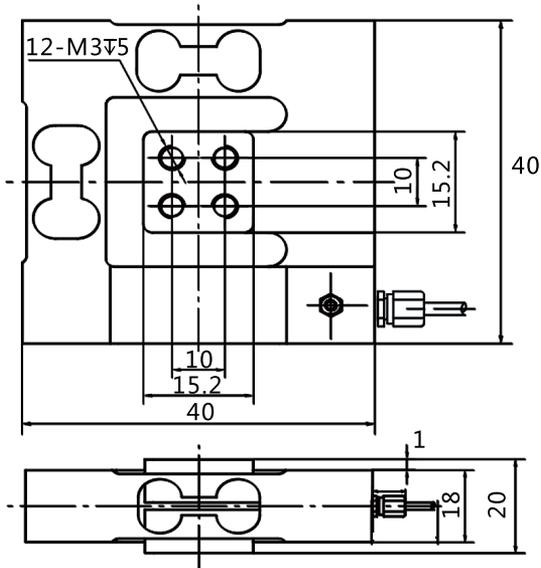
Characteristic:

It is made of high-quality aluminum alloy with high comprehensive precision and long-term stability.

Application fields:

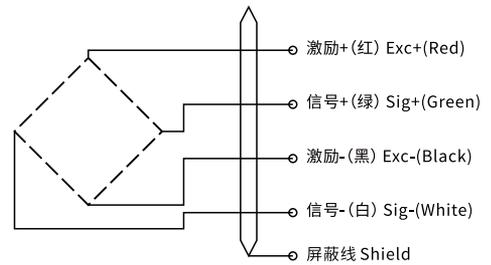
It is used in robot grinding, welding, assembly and other joint force detection, robot tactile force teaching, fatigue testing machine, automobile durability test, dummy collision test, etc.

外形尺寸 External Dimension

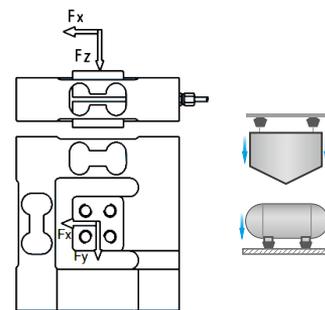


受力方向量程(kg)
XYZ 5/10/20/30/50/100

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	5-100kg	材质 Material	铝合金/合金钢
输出灵敏度 Rated Output	1.0-1.5mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	1.0%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	1.0%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	150%
耦合精度 Coupling accuracy	0.5%F.S.	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	