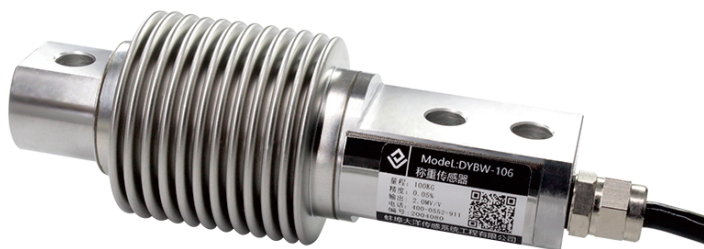


# DYBW-106 悬臂梁式称重传感器

Cantilever beam load cell



## 产品综述 Product Reviews

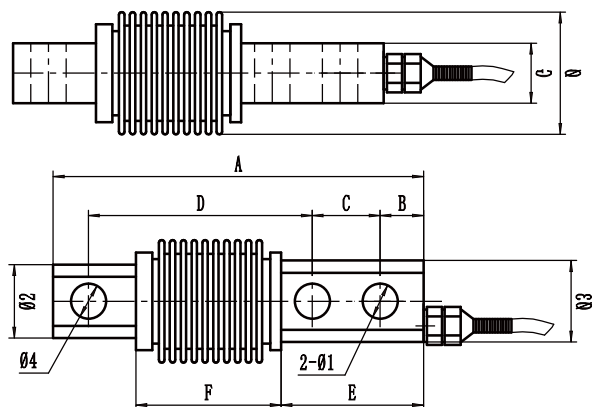
**特性:**  
结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

**应用领域:**  
万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

**Characteristic:**  
Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

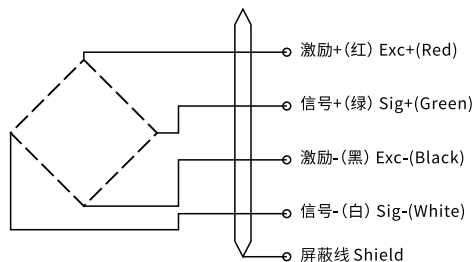
**Application fields:**  
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing field.

外形尺寸 External Dimension

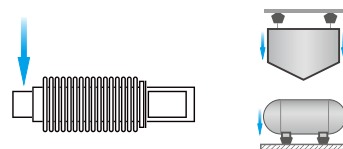


量程/尺寸	A	B	C	D	E	F	G	H	φ	φ1	φ2	φ3	φ4
10~300kg	123	13	18	82	43	54	20	20	45	8.2	27	32	8.2
500~1000kg	123	13	18	82	43	54	20	20	45	10.5	27	32	10.5

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	0-1000kg	材质 Material	合金钢/不锈钢
输出灵敏度 Rated Output	2.0/3.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Working voltage	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
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	