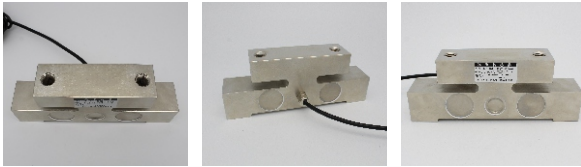


**DYQ-101** 悬臂梁式称重传感器  
 Cantilever beam load cell

**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:**

车载专用秤, 车轮, 车轴力测量以及天车起重设备称重专用传感器。

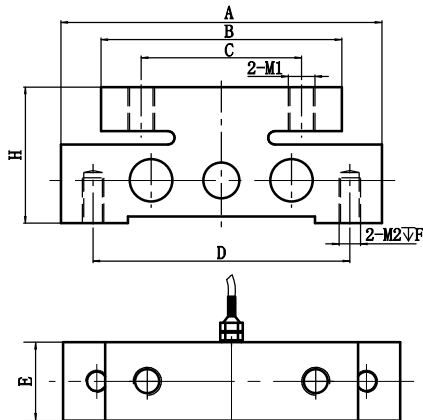
**Characteristic:**

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

**Application fields:**

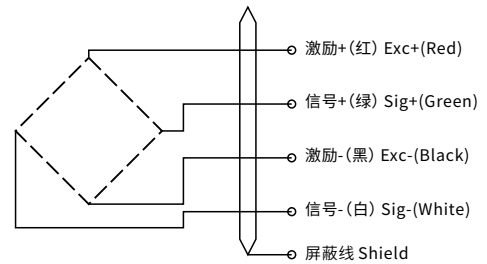
Special truck scale, wheel, axle force measurement and crane crane weighing special sensor.

外形尺寸 External Dimension

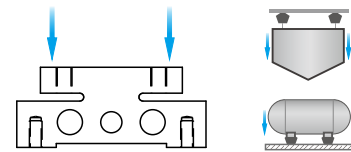


量程	A	B	C	D	E	H	M1	M2	F
1-5t	220	140	110	186	45	85	M16	M12	20
10-20t	240	180	120	192	50	93	M20	M16	30
30t	240	180	120	192	56	102	M20	M16	30

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	1-30T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0±0.05mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.2%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.2%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.1F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x5m
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	