

DYZL-107 张力传感器 Tension sensor



产品综述 Product Reviews

特性:

适用于各种光纤、纱线、化纤、金属丝、电线、电缆、胶带、钢带的张力测量。

应用领域:

广泛应用于电子、化工、纺织、造纸、机械等领域，具有张力测量领域较高的测量精度、可靠性及稳定性。

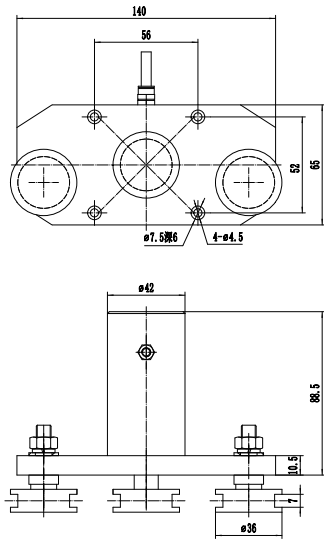
Characteristic:

It is suitable for tension measurement of various optical fiber, yarn, chemical fiber, metal wire, wire, cable, tape and steel belt.

Application fields:

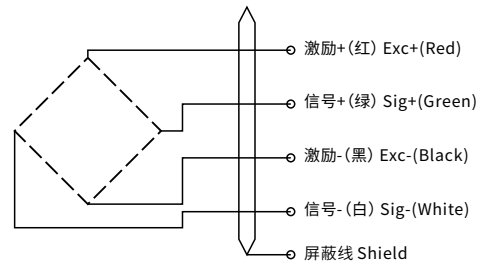
It is widely used in electronics, chemical industry, textile, papermaking, machinery and other fields. It has high measurement accuracy, reliability and stability in the field of tension measurement.

外形尺寸 External Dimension

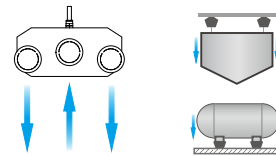


量程(kg) 2 5 10 20 30 50 100

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	0-100kg	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.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	0.05%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	