

DYZHL 张力传感器  
Tension sensor



产品综述 Product Reviews

**特性:**  
结构紧凑, 综合精度高, 长期稳定性好, 优质不锈钢材质

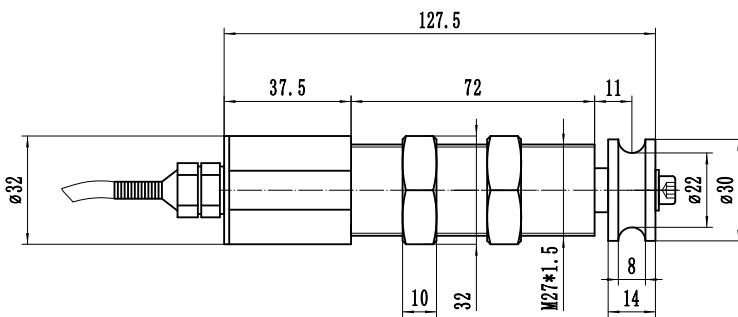
**应用领域:**  
适用于光纤、纱线、电缆、胶带等各类线材生产设备或使用设备上张力动态测量。

**Characteristic:**  
Compact structure, high comprehensive precision, good long-term stability, high quality stainless steel material.

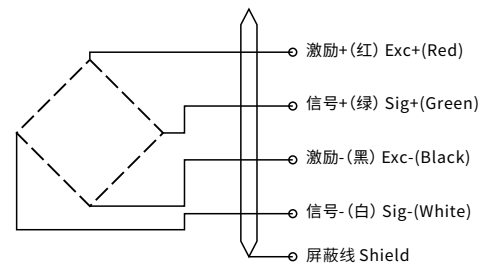
**Application fields:**  
It is suitable for dynamic tension measurement on various wire rod production equipment or using equipment such as optical fiber, yarn, cable and tape.



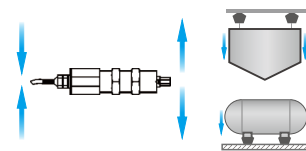
外形尺寸 External Dimension



传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程(N) 10 20 50 100 200 500 1000

参数表 Parameters Table

量程 Capacity	0-1000N	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350
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 Working voltage	5-15v
滞后 Hysteresis	0.2%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.2%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.3%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	