

产品介绍/Product Description

WIKA 拉式力传感器是由防锈、耐腐蚀的优质钢材制成。测量点位于两个安装孔的中心。采用应变式桥式测量电路，测量点由两层外罩保护。负载沿着两个固定点以拉力的方式加载，应变片随弹性体的微变形而变形，桥式测量电路把这个应力转变为与负载成比例的电信号。经过温度补偿，校准等工艺过程，由内置或外置的放大器将信号转变成需要的输出信号。

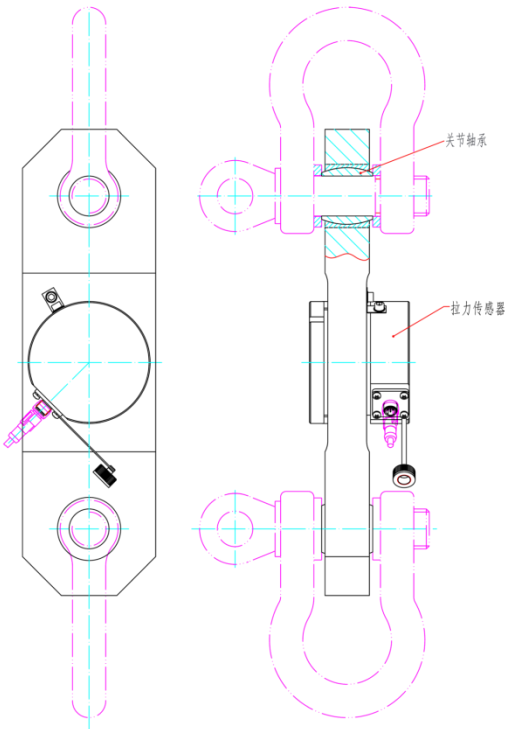
The WIKA tensile force sensor is made of high quality steel with rust resistance and corrosion resistance. The measurement point is located at the center of the two mounting holes. The strain-type bridge measuring circuit is used, and the measuring point is protected by two layers of outer cover. The load is loaded along two fixed points, the strain gauge deform with the microdeformation of the elastomer, and the bridge measuring circuit transforms this stress into an electrical signal proportional to the load. After temperature compensation, calibration and other processes, the built-in or external amplifier transforms the signal into the desired output signal



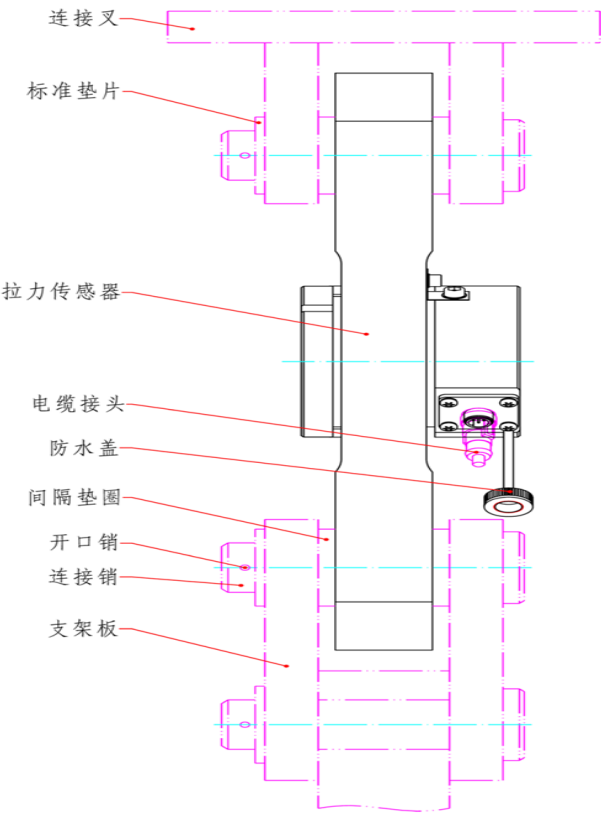
性能参数/ performance parameter

描述/Description	技术参数/technical parameters
工作温度/operating temperature	- 40°C ~ + 85°C
存储温度/storage temperature	- 40°C ~ + 85°C
平均相对湿度/Average relative humidity	≤98%RH (25°C)
工作电流/working current	10~30V
海拔高度/height above sea level	≤2000m (气压 86kPa ~ 110kPa)
测量范围/measuring range	拉式力传感器/Pull force sensor: 10~16000kN
线性误差/linear error	拉式力传感器/Pull force sensor: 0.3%

产品安装 Product Installation



安装示例 1



安装示例 2