

产品介绍/Product Description

WIKA 压式力传感器的核心部分是一个钢制的中空圆柱体，专门用于测量压力。应变片组成一个全桥式电路装在圆柱体的外表面，圆柱体被嵌在壳体里。压力作用在上部的半球形垫圈上。传感器设计成环状的目的是为了借助这个套筒支撑在起升绳的固定点。连接杆穿过起重机支撑面、传感器和垫圈之间的中心孔用一个锁紧螺母固定。在对准开口中心的支承处焊上或用螺丝固定了一个环以防止传感器横向运动。

The core of the WIKA pressure sensor is a steel hollow cylinder designed for measuring pressure. The strain gauge forms a full bridge circuit mounted on the outer surface of the cylinder, which is embedded in the shell. The pressure acts on the upper hemispherical gasket. The sensor is designed to support the ring at the fixed point of the lifting rope with this sleeve. The connecting rod passes through a central hole between the crane support surface, the sensor and the washer with a locking nut. A ring is welded on the support or screws at the center of the alignment opening to prevent lateral sensor movement.

产品特点 Product Features



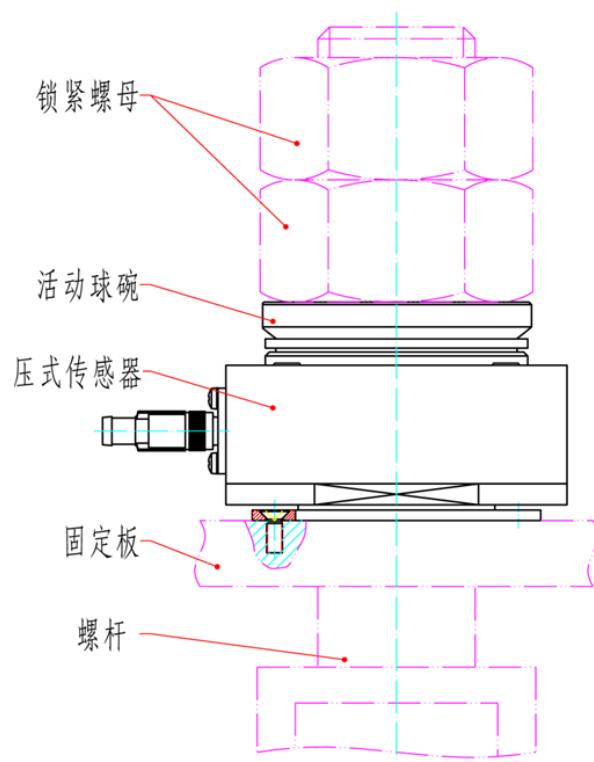
- 标准化产品或客户定制化产品/Standardized products or customer-customized products
- 安装简单方便/The installation is simple and convenient
- 极高的过载保护能力和抗疲劳极限/Very high overload protection capacity and fatigue resistance limit
- 高精度和线性度/High precision and the linearity
- 具备温度补偿/Have temperature compensation
- 测力范围从 0.5 吨到千吨级/ force range from 0.5 tons to thousand tons
- 高防护等级：IP66、IP67/High protection level: IP66, IP67
- 使用寿命长、无须保养/Long service life, no maintenance

性能参数/ performance parameter

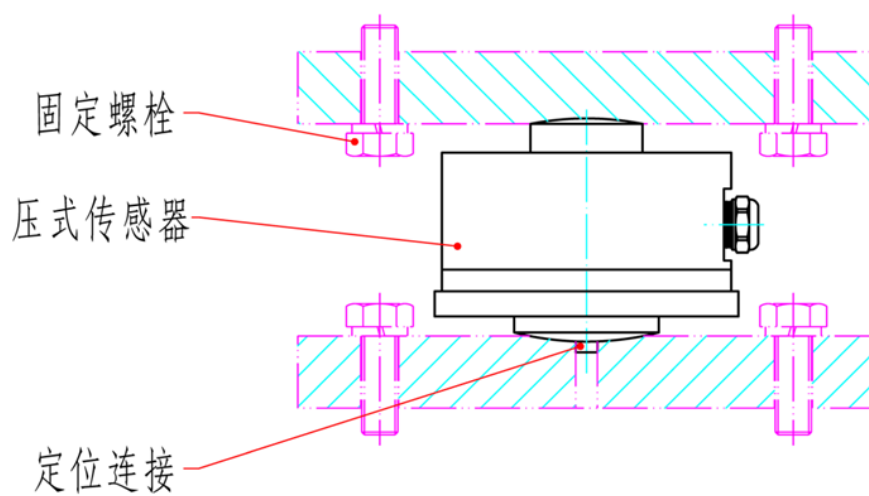
描述/Description	技术参数/technical parameters
工作温度/operating temperature	- 40°C ~ + 85°C
存储温度/storage temperature	- 40°C ~ + 85°C
平均相对湿度/Average relative humidity	≤98%RH (25°C)
工作电流/working current	10~30V

海拔高度/height above sea level	≤2000m (气压 86kPa ~ 110kPa)
测量范围/measuring range	压式力传感器/Pressure force sensor: 10~3000kN
线性误差/linear error	压式力传感器/Pressure force sensor: 0.3%

产品安装 Product Installation



安装示例 1



安装示例 2