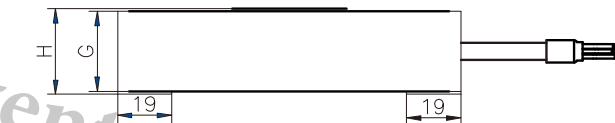
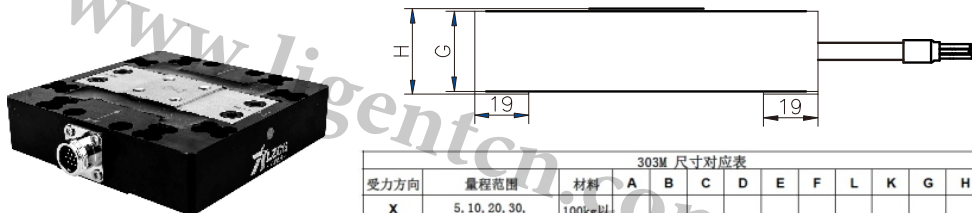


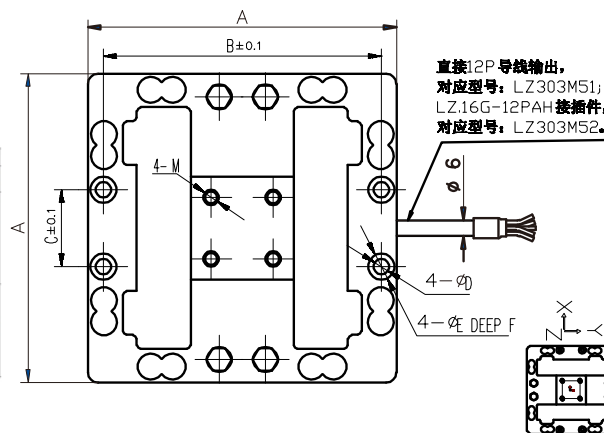
三轴力传感器 / 3-Axis Force Sensor

LF303M5



| 303M 尺寸对应表 | | | | | | | | | | | | | |
|------------|---|-------------------|-----|-----|----|------|------|----|----|----|----|----|----|
| 受力方向 | 量程范围 | 材料 | A | B | C | D | E | F | L | K | G | H | M |
| X | 5, 10, 20, 30, 50, 100, 200, 300, 500kg | 100kg以下铝合金, 其余合金钢 | 120 | 108 | 30 | 6.1 | 10.5 | 8 | 24 | 24 | 28 | 30 | 6 |
| Y | 10, 20, 30, 50, 100, 200, 500, 1000kg | 合金钢或不锈钢 | 160 | 110 | 26 | 12.1 | 20 | 16 | 28 | 28 | 62 | 66 | 10 |
| Z | 300, 500, 1000, 2000, 2500kg | 合金钢或不锈钢 | 160 | 110 | 26 | 12.1 | 20 | 16 | 28 | 28 | 62 | 66 | 10 |

| LF303M三维方向力值耦合影响% | | | |
|-------------------|----|----|----|
| | X | Y | Z |
| X | - | ±3 | ±5 |
| Y | ±3 | - | ±5 |
| Z | ±5 | ±5 | - |



TECHNICAL SPECIFICATION

| | | | |
|-------------------------------|--|-------------------------------|-----------------|
| 输出灵敏度 Rated Output | 1.0 ~ 1.5 mV/V | 输出阻抗 Output Impedance | 700(350)Ω |
| 零点输出 Zero Balance | ± 2 % F.S. | 绝缘电阻 Insulation | ≥ 5000MΩ/100VDC |
| 非线性 Non-linearity | 1.0 % F.S. | 使用电压 Recommended Excitation | 5~10V |
| 滞后 Hysteresis | 1.0 % F.S. | 最大使用电压 Maximum Excitation | 15V |
| 重复性 Repeatability | 0.5 % F.S. | 温度补偿范围 Compensated Temp Range | - 10 ~ 60 °C |
| 蠕变 (30分钟) Creep (30min) | 0.5 % F.S. | 工作温度范围 Operating Temp Range | - 20 ~ 80 °C |
| 温度灵敏度漂移 Temp Effect on Output | 0.05 % F.S. / 10°C | 安全超载 Safe Load Limit | 150% |
| 零点温度漂移 Temp Effect on Zero | 0.05 % F.S. / 10°C | 极限超载 Ultimate Load Limit | 200% |
| 输入阻抗 Input Impedance | 750(385) ± 5 Ω | 电缆线尺寸 Cable Size | ∅ 6 x 3m |
| 电缆线连接方式 Wire Connection | 按需订制 as request | | |
| 主要应用 Applications | 铣床磨床加工过程中刀具三个方向受力分析检测, 机器人抛光三轴力的检测 Mainly used for force measurement analysis of tools from three dimensions during the process of milling or grinding machine, and the three-axis force measurement of robotic polishing | | |

*外形尺寸根据量程要求而不同 The dimension may be different based on the different capacity requirement.