# LCLY-B08 S Type Load Cell

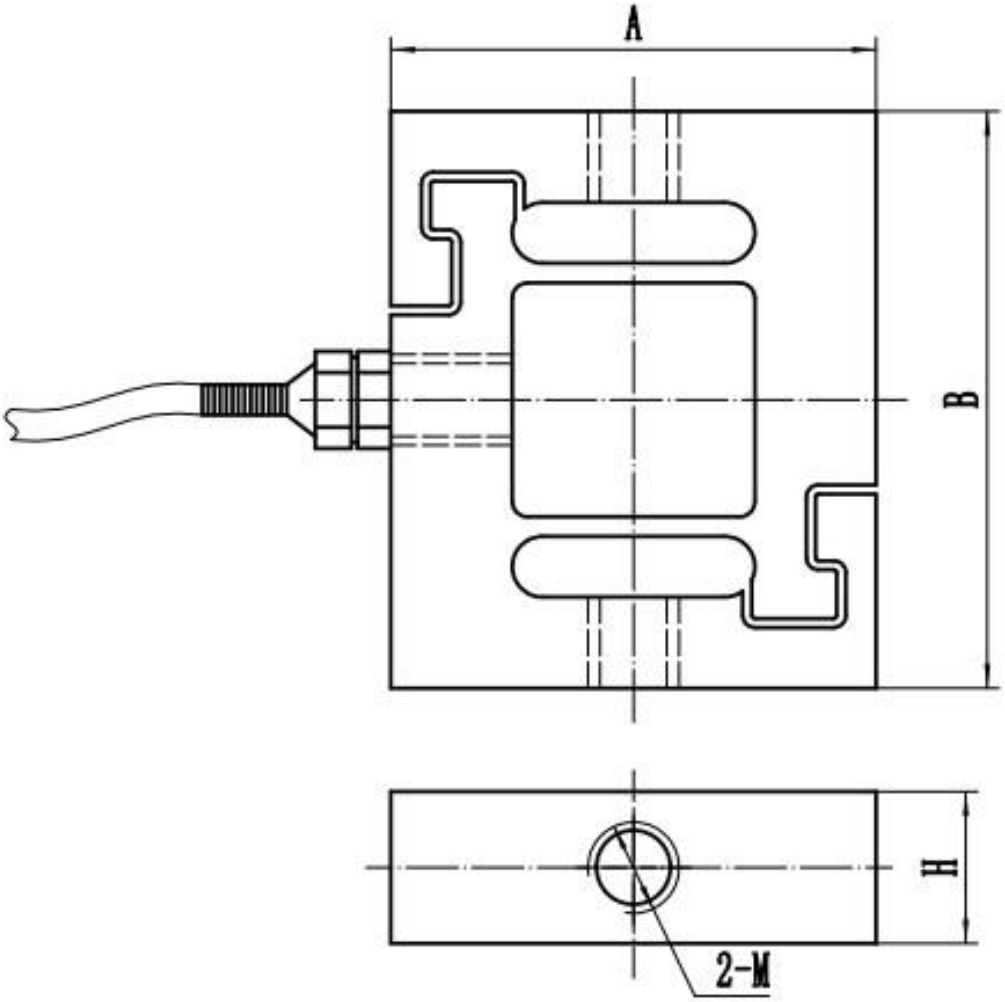
## Characteristics & Usage:



It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Universal material testing machine, hopper scale, hook scale, packing scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment.

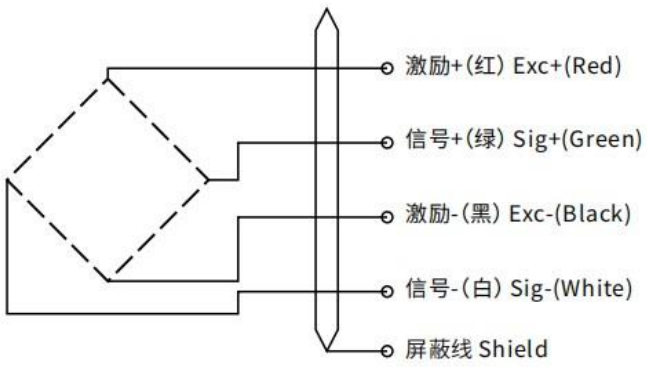
## Dimensions（mm）:



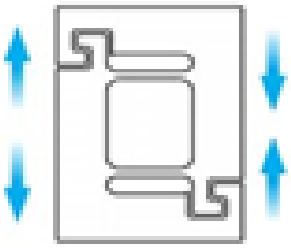

| Capacity(kg) | M | H | A | B |
|---|---|---|---|---|
| 0.5-10 | M3 | 5 | 16 | 19.1 |

| | | | | |
|---|---|---|---|---|
| 20-50 | M4 | 6 | 16 | 19.1 |
| 100-200 | M8 | 14 | 26 | 40 |

## Sensor wiring diagram




## Force diagram



## Technical parameters

| | | | |
|---|---|---|---|
| 量程 Capacity | 0-200kg | 材质 Material | 不锈钢 Stainless Steel |
| 输出灵敏度 Rated Output | 1.0-2.0mV/V | 阻抗 Impedance | 350 Ω |
| 零点输出 Zero Balance | ±2% F.S. | 绝缘电阻 Insulation | ≥5000MΩ/100VDC |
| 非线性 Non-linearity | 0.1% F.S. | 使用电压 Recommended Excitation | 5-10V |
| 滞后 Hysteresis | 0.05% F.S. | 工作温度范围 Operating Temp range | -20~80℃ |
| 重复性 Repeatability | 0.05% F.S. | 安全超载 Safe Load Limit | 150% |
| 蠕变（30 分钟）Creep (30 Min) | 0.05% F.S. | 极限超载 Ultimate Load Limit | 200% |
| 温度灵敏度漂移 Temp Effect on Output | 0.05% F.S. /10℃ | 电缆线规格 Cable Specifications | ＜100kg:Φ2*1m<br>＞100kg:Φ3*2m |
| 零点温度漂移 Temp Effect on Zero | 0.05% F.S. /10℃ | 线缆极限拉力 Cable ultimate pull | 10kg |
| 响应频率 Response frequency | 10kHz | TEDS Optional 可选 | |