

## 传感器 LOAD CELL

04/38 衡器 Weighing apparatus

39/55 超载 Overload

56/60 电梯 The elevator

## 61/75 称重控制仪表 WEIGHING INSTRUMENT

## 76/78 电子吊秤 ELECTRONIC CRANE SCALE

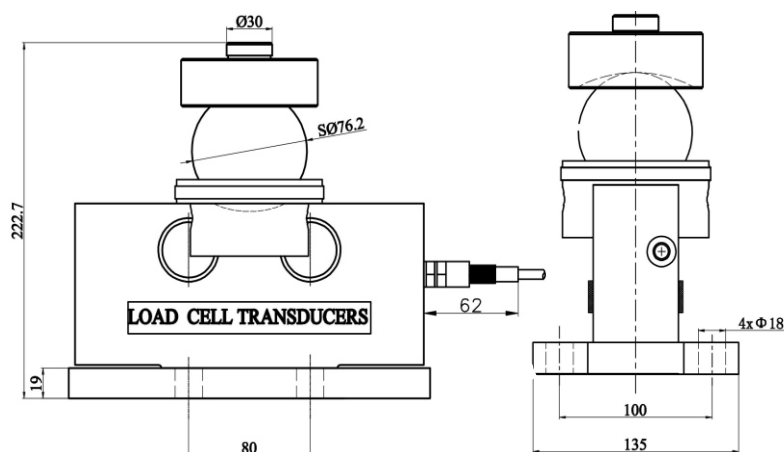
## 系统 SYSTEM

79/86 称重系统 Weighing system

87/90 超载系统 System overload

## 91/94 称重配件 WEIGHING ACCESSORIES

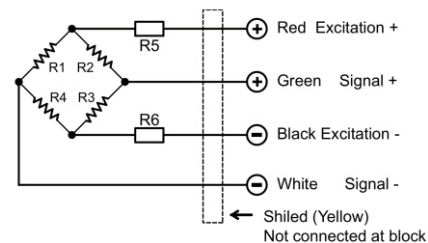


**HQS01**

**HQS01型桥式称重传感器适用于汽车衡、  
轨道衡、配料及各种专用衡器**

HQS01 Applied to truck scales, railway  
scales, tank scales, all kinds of special  
weighing instruments

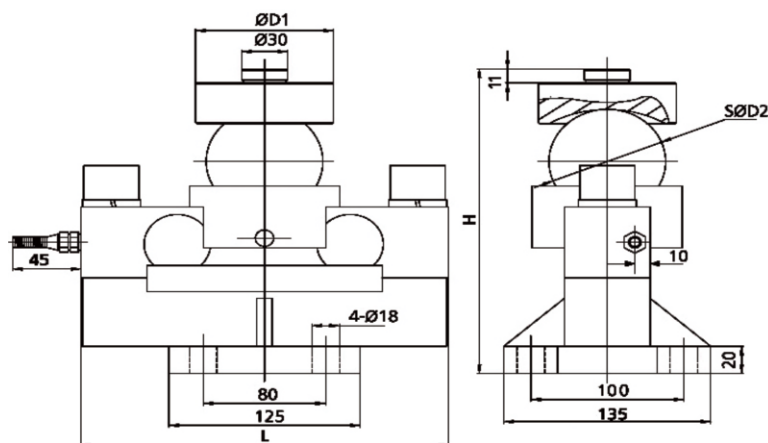
**接线方式**  
Circuit Diagram



### 主要技术指标 Specification

|                                    |                            |                             |                                     |
|------------------------------------|----------------------------|-----------------------------|-------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 10,20,25,30,40t            | 绝缘阻抗Insulation resistance   | ≥5000MΩ                             |
| 灵敏度 Sensitivity                    | 2.0±0.002% <sub>mV/V</sub> | 工作温度范围Operating Temp Range  | (-30~+70)°C                         |
| 综合误差Combined error                 | ±0.03 % F.S                | 安全过载 Safe load limit        | 150%F.S                             |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min          | 极限过载 Ultimate overload      | 200%F.S                             |
| 零点平衡Zero balance                   | ±1 % F.S                   | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                    |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C           | 最大激励电压 Max excitation       | 15V DC                              |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C           | 密封等级 Protection Class       | IP68                                |
| 输入阻抗Input resistance               | 750±10Ω                    | 材质 Material                 | 合金钢Alloy steel                      |
| 输出阻抗Output resistance              | 702±5Ω                     | 电缆 Cable                    | Length:12m /16m<br>Diameter: Φ8.8mm |

# HQS02

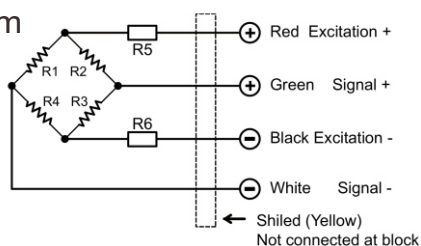


**HQS02型桥式称重传感器适用于汽车衡、轨道衡、配料及各种专用衡器**

HQS02 Applied to truck scales, railway scales, tank scales, all kinds of special weighing instruments

## 接线方式

### Circuit Diagram



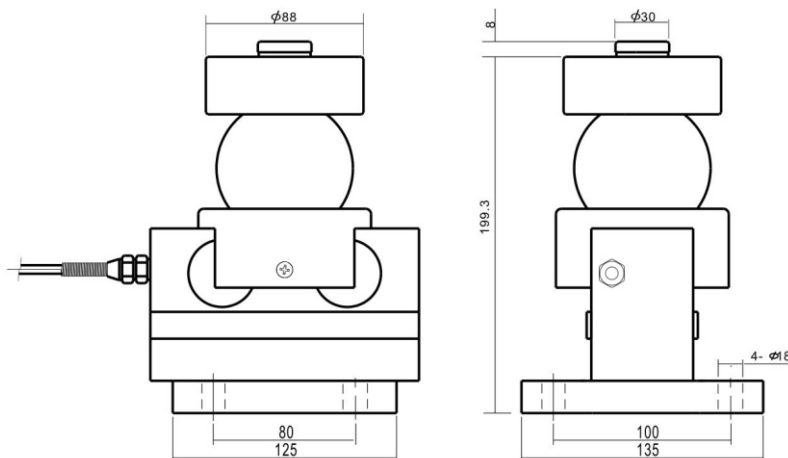
## 主要外形尺寸 Main Dimensions

| 额定载荷 (t) Rated load | 5     | 10, 15, 20, 25, 30 | 40    |
|---------------------|-------|--------------------|-------|
| D1                  | 68    | 85~88              | 88    |
| D2                  | 50.8  | 76.2               | 76.2  |
| H                   | 168.8 | 224.7              | 230.7 |
| L                   | 224   | 240                | 240   |

## 主要技术指标 Specification

|                                     |                        |                                                                              |                                        |
|-------------------------------------|------------------------|------------------------------------------------------------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 5, 10, 20, 25, 30, 40t | 绝缘阻抗 Insulation resistance                                                   | ≥ 5000MΩ                               |
| 灵敏度 Sensitivity                     | 2.0±0.002% mV/V        | 工作温度范围 Operating Temp Range                                                  | (-30~+70)°C                            |
| 综合误差 Combined error                 | ±0.03 % F.S            | 安全过载 Safe load limit                                                         | 150% F.S                               |
| 蠕变 (30分钟) Creep/30min               | ±0.02 % F.S/30min      | 极限过载 Ultimate overload                                                       | 200% F.S                               |
| 零点平衡 Zero balance                   | ±1 % F.S               | 推荐激励电压 Recommend excitation                                                  | 10~12V (DC or AC)                      |
| 零点温度影响 TCO                          | ±0.02 % F.S/10°C       | 最大激励电压 Max excitation                                                        | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02 % F.S/10°C       | 密封等级 Protection Class                                                        | IP67(5t), IP68(10~50t)                 |
| 输入阻抗 Input resistance               | 750±10Ω                | 材质 Material                                                                  | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 702±3Ω                 | 电缆 Cable                                                                     | Diameter: Φ6mm                         |
|                                     |                        | Length=L: 5.2m(5t), 8m(10t), 10m(15t), 10/15m(20t), 12/15m(25t), 12/16m(30t) |                                        |

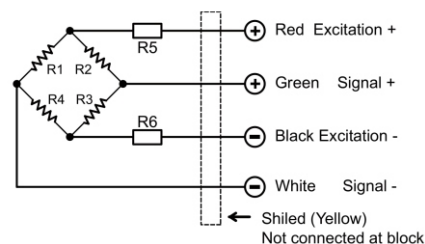
# HQS03



**HQS03型桥式称重传感器适用于汽车衡、  
轨道衡、配料及各种专用衡器**

HQS03 Applied to truck scales, railway  
scales, tank scales, all kinds of special  
weighing instruments

## 接线方式 Circuit Diagram

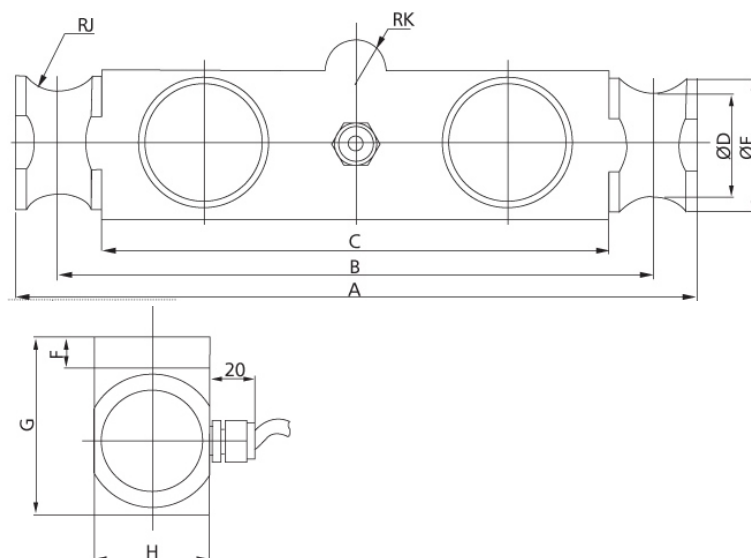
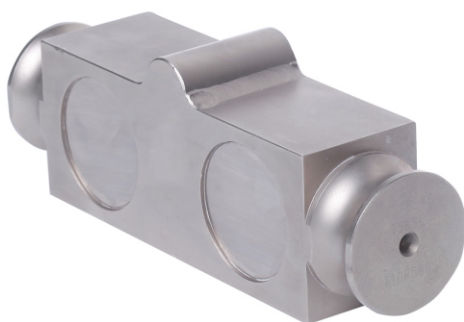


## 主要技术指标 Specification

|                                    |                   |                             |                                   |
|------------------------------------|-------------------|-----------------------------|-----------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 5,10,20t          | 绝缘阻抗Insulation resistance   | ≥5000MΩ                           |
| 灵敏度 Sensitivity                    | 2.0±0.02%mV/V     | 工作温度范围Operating Temp Range  | (-30~+70)°C                       |
| 综合误差Combined error                 | ±0.03 % F.S       | 安全过载 Safe load limit        | 150%F.S                           |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min | 极限过载率 Ultimate overload     | 200%F.S                           |
| 零点平衡Zero balance                   | ±1 % F.S          | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                  |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C  | 最大激励电压 Maximun excitatong   | 15V DC                            |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C  | 密封等级 Protection Class       | Ip68                              |
| 输入阻抗Input resistance               | 750±10Ω           | 材质 Material                 | 合金钢Alloy steel 不锈钢Stainless steel |
| 输出阻抗Output resistance              | 702±3Ω            | 电缆 Cable                    | <=30t:12m,>=40t:16m               |



# HQS04

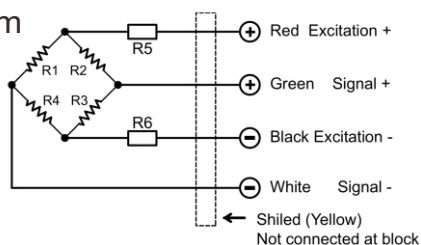


**HQS04型桥式称重传感器适用于汽车衡、轨道衡、轴量秤、地上秤、仓储秤等。**

HQS04 Applied to truck scales, railway scale, axle wheel scale floor scale, warehouse scale.

## 接线方式

### Circuit Diagram



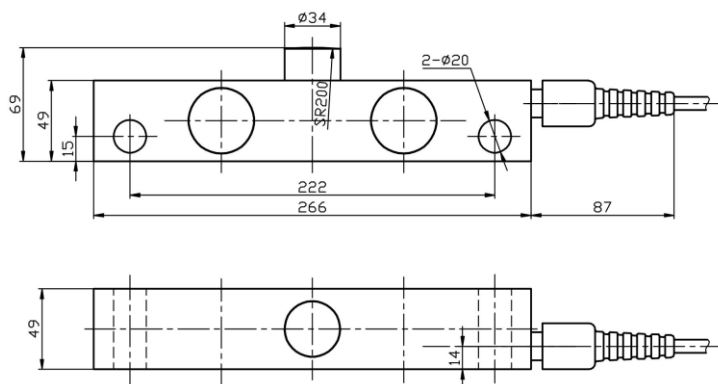
## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | A   | B   | C   | D  | E  | F  | G  | H  | J  | K  |
|-----------------------|-----|-----|-----|----|----|----|----|----|----|----|
| 25,40,50              | 210 | 185 | 159 | 41 | 51 | 13 | 64 | 51 | 13 | 13 |
| 60,75                 | 292 | 254 | 216 | 43 | 56 | 13 | 76 | 51 | 21 | 13 |
| 100,125               | 368 | 317 | 267 | 62 | 81 | 21 | 99 | 74 | 25 | 38 |

## 主要技术指标 Specification

|                                    |                             |                             |                                      |
|------------------------------------|-----------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | (25,40,50,60,75,100,125)Klb | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity                    | 3.0±0.003% <sub>mV/V</sub>  | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error                 | ±0.02 % F.S                 | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min           | 极限过载 Ultimate overload      | 250%F.S                              |
| 零点平衡Zero balance                   | ±1 % F.S                    | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                     |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C            | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C            | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance               | 750±10Ω                     | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance              | 703±3Ω                      | 电缆 Cable                    | Length:12m<br>Diameter: Φ6mm         |

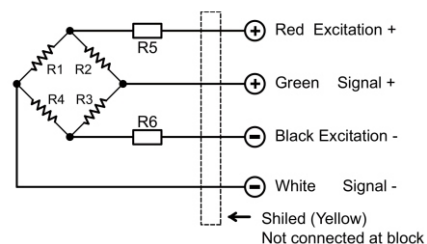
# HQS05



**HQS05型桥式称重传感器适用于汽车衡、  
轨道衡、配料及各种专用衡器**

HQS05 Applied to truck scales, railway  
scales, tank scales, all kinds of special  
weighing instruments

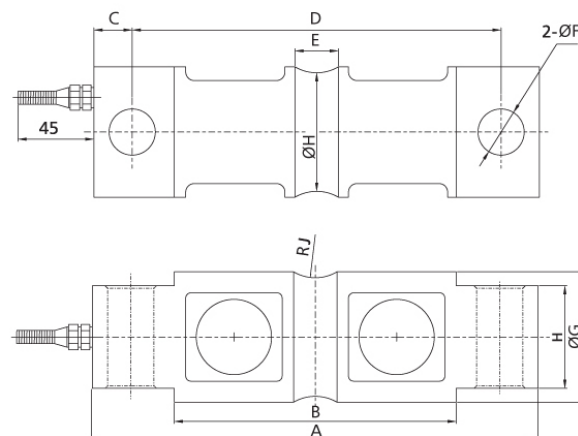
**接线方式**  
**Circuit Diagram**



## 主要技术指标 Specification

|                                    |                           |                             |                             |
|------------------------------------|---------------------------|-----------------------------|-----------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 20t                       | 绝缘阻抗Insulation resistance   | ≥5000MΩ                     |
| 灵敏度 Sensitivity                    | 2.0±0.02% <sub>mV/V</sub> | 工作温度范围Operating Temp Range  | (-30~+70)°C                 |
| 综合误差Combined error                 | ±0.03 % F.S               | 安全过载 Safe load limit        | 150%F.S                     |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min         | 极限过载率 Ultimate overload     | 200%F.S                     |
| 零点平衡Zero balance                   | ±1 % F.S                  | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)            |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C          | 最大激励电压 Maximun excitatong   | 15V DC                      |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C          | 密封等级 Protection Class       | Ip68                        |
| 输入阻抗Input resistance               | 750±10Ω                   | 材质 Material                 | 合金钢Alloy steel              |
| 输出阻抗Output resistance              | 702±3Ω                    | 电缆 Cable                    | Length:8m<br>Diameter: Φ8mm |

# HQS06

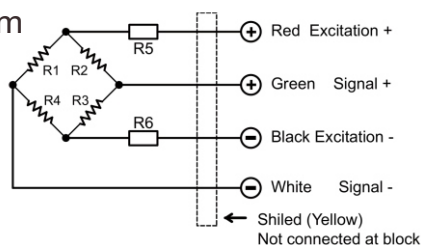


HQS06型桥式称重传感器适用于汽车衡、轨道衡、轴量秤、地上秤、仓储秤等。

HQS06 Applied to truck scales, railway scale, axle wheel scale floor scale, warehouse scale.

## 接线方式

### Circuit Diagram



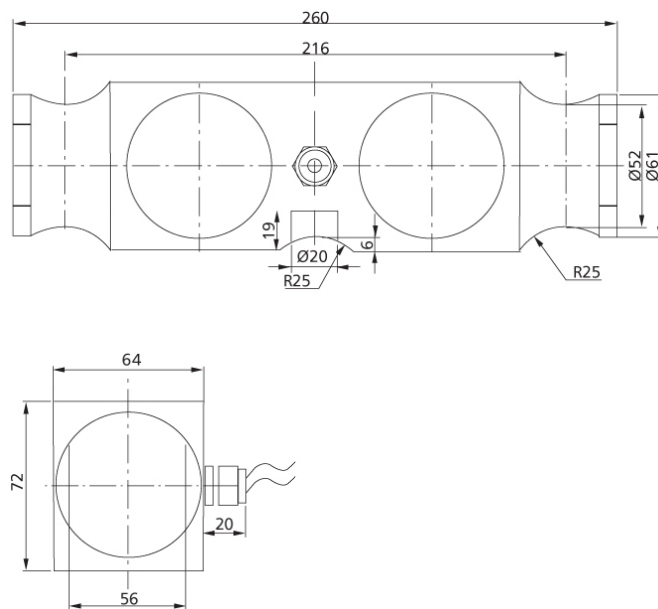
## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | A     | B    | C    | D    | E    | F    | G    | H    | I    | J   |
|-----------------------|-------|------|------|------|------|------|------|------|------|-----|
| 5~10                  | 8.12  | 5.24 | 0.62 | 6.88 | 0.62 | 0.66 | 1.70 | 1.48 | 1.12 | 0.5 |
| 20~25                 | 8.12  | 5.24 | 0.62 | 6.88 | 0.84 | 0.66 | 1.95 | 1.48 | 1.12 | 0.5 |
| 30~75                 | 10.25 | 6.48 | 0.88 | 8.50 | 1.00 | 1.06 | 3.00 | 2.73 | 2.37 | 1.0 |
| 100                   | 11.25 | 7.48 | 0.88 | 9.50 | 1.00 | 1.06 | 3.50 | 3.24 | 2.50 | 1.0 |

## 主要技术指标 Specification

|                       |                             |                             |                                      |
|-----------------------|-----------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | (25,40,50,60,75,100,125)Klb | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity       | 3.0±0.003% mV/V             | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error    | ±0.02 % F.S                 | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | ±0.02 % F.S/30min           | 极限过载 Ultimate overload      | 250%F.S                              |
| 零点平衡Zero balance      | ±1 % F.S                    | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                     |
| 零点温度影响TCO             | ±0.02 % F.S/10°C            | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN         | ±0.02 % F.S/10°C            | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance  | 750±10 Ω                    | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 703±3 Ω                     | 电缆 Cable                    | Length:12m<br>Diameter: Φ 6mm        |

# HQS07

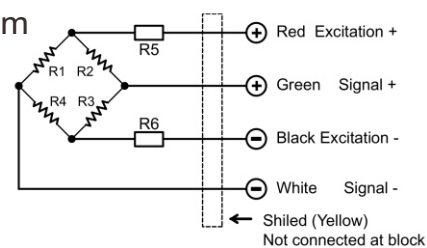


**HQS07 型桥式称重传感器适用于汽车衡、轨道衡、轴量秤、地上秤、仓储秤等。**

HQS07 Applied to truck scales, railway scale, axle wheel scale floor scale, warehouse scale.

## 接线方式

### Circuit Diagram

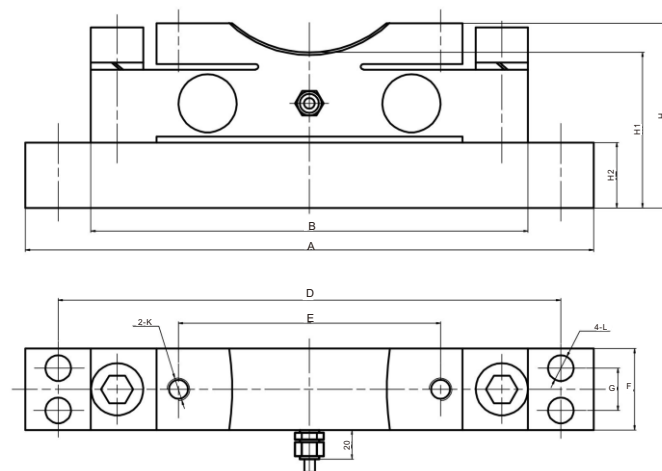
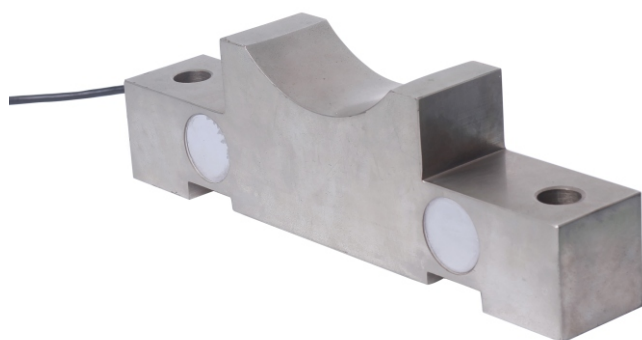


## 主要技术指标 Specification

|                                    |                   |                             |                                      |
|------------------------------------|-------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 30,50,60,75Klb    | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity                    | 3.0±0.003%mV/V    | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error                 | ±0.02 % F.S       | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min | 极限过载 Ultimate overload      | 250%F.S                              |
| 零点平衡Zero balance                   | ±1 % F.S          | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                     |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C  | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C  | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance               | 750±10Ω           | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance              | 703±3Ω            | 电缆 Cable                    | Length:12m<br>Diameter: Φ6mm         |



# HQS08



**HQS08型桥式称重传感器适用于汽车衡、轨道衡、配料及各种专用衡器**

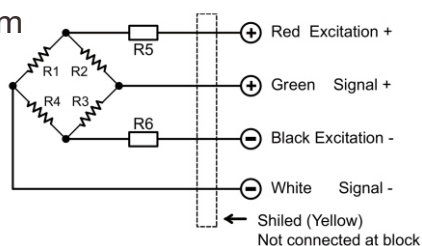
HQS08 Applied to truck scales, railway scales, tank scales, all kinds of special weighing instruments

## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | A   | B   | C   | D   | E   | F  | G  | H   | H1  | H2 | K   | L   | N   |
|-----------------------|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|-----|
| 10,15,20,30t          | 390 | 300 | 210 | 345 | 180 | 56 | 29 | 127 | 107 | 45 | M16 | Φ18 | R80 |
| 40,50,60              | 500 | 395 | 235 | 445 | 200 | 86 | 45 | 173 | 153 | 67 | M20 | Φ22 | R90 |

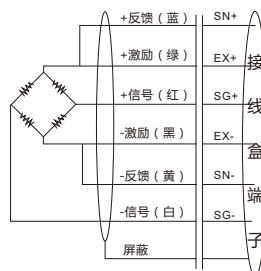
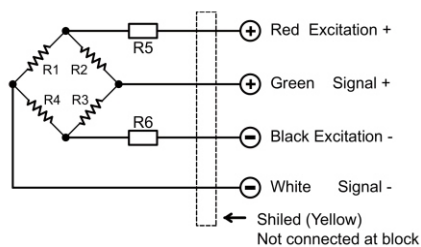
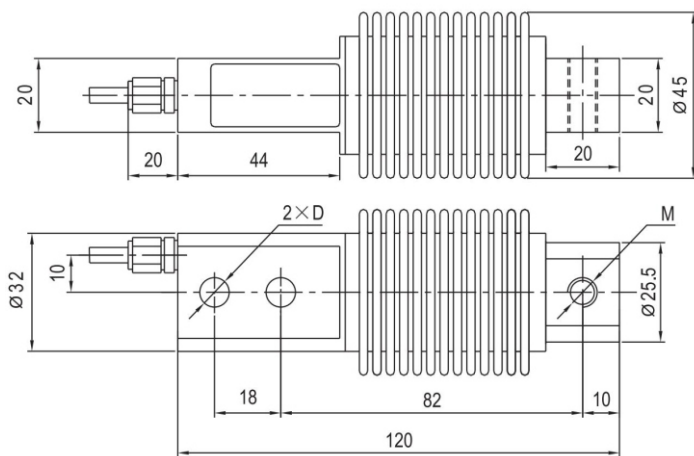
## 接线方式

### Circuit Diagram



## 主要技术指标 Specification

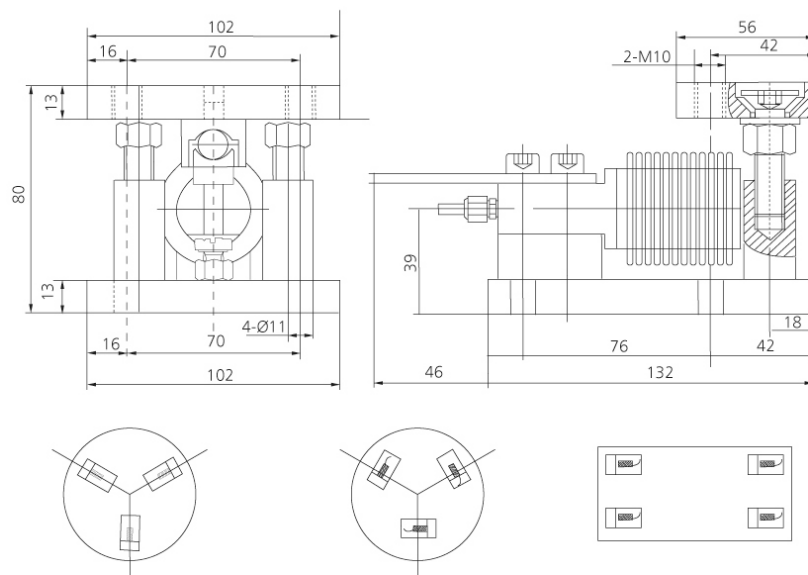
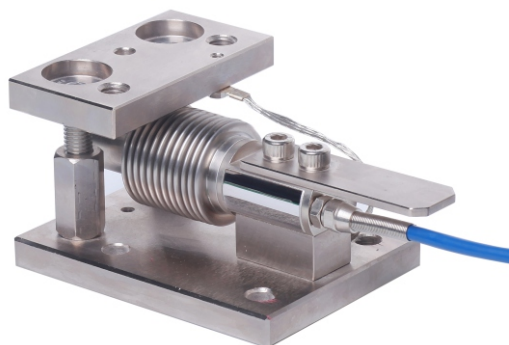
|                       |                              |                             |                             |
|-----------------------|------------------------------|-----------------------------|-----------------------------|
| 额定载荷Rated load (Emax) | 10,15,20,30,40,50,60t        | 绝缘阻抗Insulation resistance   | $\geq 5000M\Omega$          |
| 灵敏度 Sensitivity       | $2.0 \pm 0.02\% mV/V$        | 工作温度范围Operating Temp Range  | $(-30 \sim +70)^{\circ}C$   |
| 综合误差Combined error    | $\pm 0.03\% F.S$             | 安全过载 Safe load limit        | 150%F.S                     |
| 蠕变 (30分钟) Creep/30min | $\pm 0.03\% F.S/30min$       | 极限过载率 Ultimate overload     | 200%F.S                     |
| 零点平衡Zero balance      | $\pm 1\% F.S$                | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)            |
| 零点温度影响TCO             | $\pm 0.03\% F.S/10^{\circ}C$ | 最大激励电压 Maximun excitatong   | 15V DC                      |
| 输出温度影响TC SPAN         | $\pm 0.02\% F.S/10^{\circ}C$ | 密封等级 Protection Class       | Ip67                        |
| 输入阻抗Input resistance  | $750 \pm 10\Omega$           | 材质 Material                 | 合金钢Alloy steel              |
| 输出阻抗Output resistance | $702 \pm 3\Omega$            | 电缆 Cable                    | Length:8m<br>Diameter: Φ6mm |



|                                     |       |     |
|-------------------------------------|-------|-----|
| 额定载荷(kg) Rated load                 | D     | M   |
| 5,10,20,30,40,50,75,100,150,200,250 | Φ8.2  | M8  |
| 300,500                             | Φ10.2 | M10 |

|                       |                                                      |                             |                                      |
|-----------------------|------------------------------------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 5,10,20,25,30,40,50,75,100,<br>150,200,250,300,500kg | 绝缘阻抗Insulation resistance   | ≥ 5000MΩ                             |
| 灵敏度 Sensitivity       | 2.0±0.002%mV/V                                       | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error    | ±0.02 % F.S;±0.03 % F.S                              | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变（30分钟）Creep/30min   | ±0.02 % F.S/30min                                    | 极限过载 Ultimate overload      | 200%F.S                              |
| 零点平衡Zero balance      | ±1 % F.S                                             | 推荐激励电压 Recommend excitation | 10~12V(DC or AC)                     |
| 零点温度影响TCO             | ±0.02 % F.S/10°C                                     | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN         | ±0.02 % F.S/10°C                                     | 密封等级 Protection Class       | Ip68                                 |
| 输入阻抗Input resistance  | 400±10Ω                                              | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 352±2Ω                                               | 电缆 Cable                    | Length:3m Diameter:Φ6mm              |

# HBW01-M

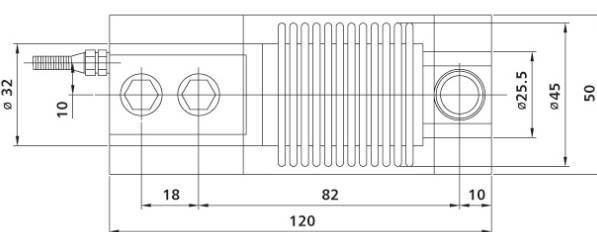
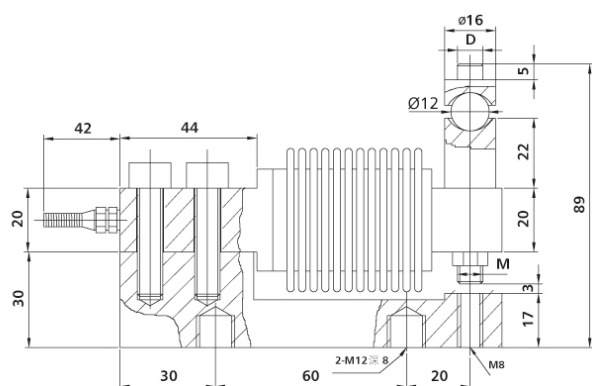


径向安装 Radial Install

切向安装 Cutting Install

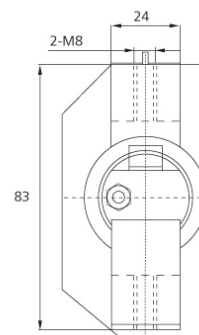
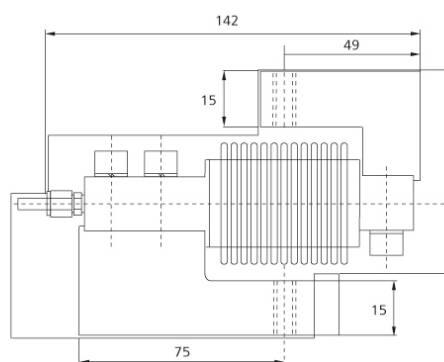
矩形安装 Rectangle Install

压式附件结构图

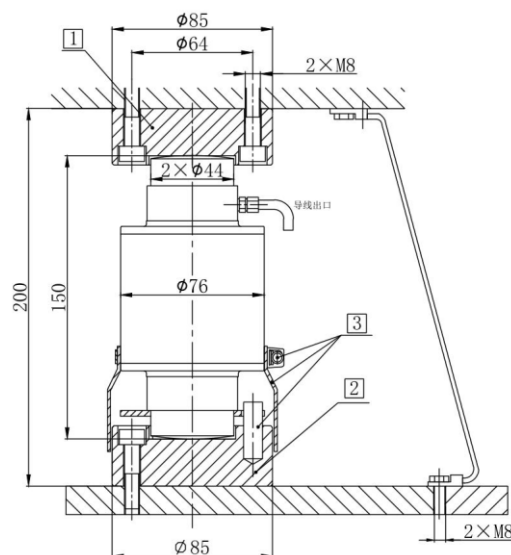


| 额定载荷(t)<br>Rated Load | D   | M   |
|-----------------------|-----|-----|
| 5,10,20,30,40,50,75   | φ8  | M8  |
| 100,150,200,250       | φ8  | M8  |
| 300,500               | φ10 | M10 |

拉式附件结构图



# HZS01

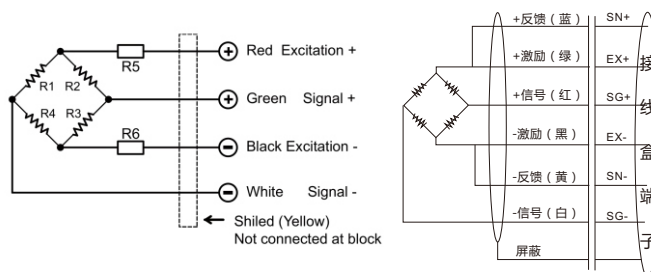


1 CTA/ZOU B1  
2 CTA/ZOU2 B2  
3 Dowel pin 10X30(rotation stop)  
flexible tube and tube clip enclosed  
in the packing of the load cell  
防旋转插销，伸缩管与管夹在传感器包装中

HZS01 柱式称重传感器适用于汽车衡、  
轨道衡、轴重秤、地上衡

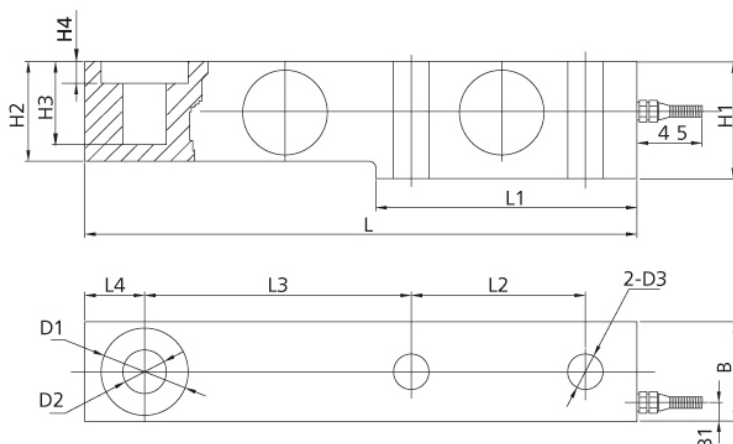
HZS01 Applied to truck scales, railway  
scales, axle scales, ground scales

## 接线方式 Circuit Diagram



## 主要技术指标 Specification

|                                    |                          |                                                                     |                                      |
|------------------------------------|--------------------------|---------------------------------------------------------------------|--------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 10,20,30,40,50t          | 绝缘阻抗Insulation resistance                                           | ≥5000MΩ                              |
| 灵敏度 Sensitivity                    | 2.0±0.1% <sub>mV/V</sub> | 工作温度范围Operating Temp Range                                          | (-20~+70)°C                          |
| 综合误差Combined error                 | ±0.015 % F.S             | 安全过载 Safe load limit                                                | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min              | ±0.02 % F.S/30min        | 极限过载率 Ultimate overload                                             | 200%F.S                              |
| 零点平衡Zero balance                   | ±1.0% F.S                | 推荐激励电压 Recommend excitation                                         | 5~15V(DC or AC)                      |
| 零点温度影响TCO                          | ±0.02 % F.S/10°C         | 最大激励电压 Maximun excitatong                                           | 15V (DC or AC)                       |
| 输出温度影响TC SPAN                      | ±0.02 % F.S/10°C         | 密封等级 Protection Class                                               | Ip68                                 |
| 输入阻抗Input resistance               | 700±10Ω/775±10Ω          | 材质 Material                                                         | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance              | 702±2Ω                   | 电缆 Cable<br>Length=L:8m(10t),10m(15t),12m(20,25t),16m(30t),18m(40t) | Diameter: Φ6mm                       |

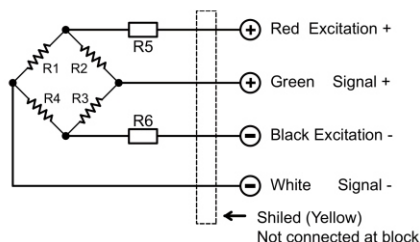


## HSB01 称重传感器适用于汽车衡、平台秤、配料秤及各种专用衡器

HSB01 Applied to truck scales, platform scales, blending scales, all kinds of special weighing instruments

### 接线方式

#### Circuit Diagram



### 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | L   | L1  | L2 | L3  | L4 | H1   | H2/B | B1  | H3   | H4  | D1  | D2  | D3  |
|------------------------|-----|-----|----|-----|----|------|------|-----|------|-----|-----|-----|-----|
| 0.5, 1, 2, 3           | 203 | 95  | 64 | 98  | 22 | 43   | 36.6 | 7   | 30.5 | 8   | Φ32 | Φ16 | Φ13 |
| 5, 7.5                 | 235 | 110 | 66 | 124 | 22 | 52   | 48   | 7   | 30   | 12  | Φ38 | Φ22 | Φ21 |
| 10                     | 279 | 133 | 82 | 140 | 32 | 67   | 60   | 8.5 | 20   | 8.5 | Φ48 | Φ32 | Φ28 |
| 15, 20, 25             | 318 | 153 | 89 | 159 | 38 | 82.5 | 70   | 9.5 | 24   | 9.5 | Φ54 | Φ38 | Φ34 |

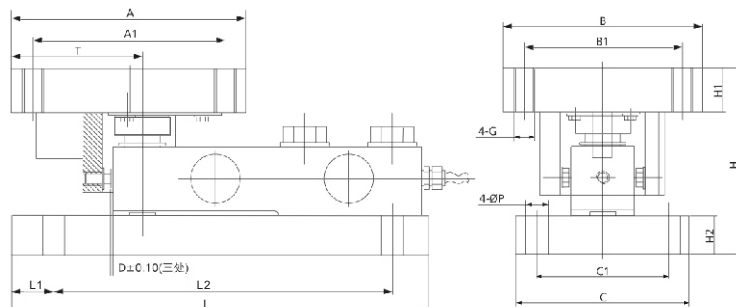
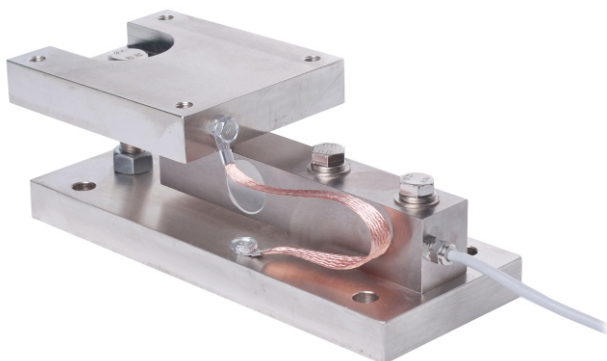
### 主要技术指标 Specification

|                            |                                 |                                                                      |                                        |
|----------------------------|---------------------------------|----------------------------------------------------------------------|----------------------------------------|
| 额定载荷 Rated load (Emax)     | 0.5, 1, 2, 3, 5, 8, 10, 20, 25t | 工作温度范围 Operating Temp Range                                          | (-30~+70)°C                            |
| 灵敏度 Sensitivity            | 2.0±0.002% mV/V                 | 安全过载 Safe load limit                                                 | 150% F.S.; 120% F.S. (20~25t)          |
| 综合误差 Combined error        | ±0.02 % F.S.; ±0.03 % F.S.      | 极限过载 Ultimate overload                                               | 250% F.S.; 200% F.S. (20~25t)          |
| 蠕变 (30分钟) Creep/30min      | ±0.02 % F.S./30min              | 推荐激励电压 Recommend excitation                                          | 10~12V DC                              |
| 零点平衡 Zero balance          | ±1 % F.S.                       | 最大激励电压 Max excitation                                                | 15V DC                                 |
| 零点温度影响 TCO                 | ±0.02 % F.S./10°C               | 密封等级 Protection Class                                                | Ip67 (0.3~0.5t); IP68 (1~25t)          |
| 输出温度影响 TC SPAN             | ±0.02 % F.S./10°C               | 材质 Material                                                          | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输入阻抗 Input resistance      | 400±10 Ω                        | 连接电缆 Cable                                                           |                                        |
| 输出阻抗 Output resistance     | 352±3 Ω                         | length=2.6m (0.3~2t); 3.5m (3t); 5.2m (5~8t); 7m (10t); 12m (15~25t) |                                        |
| 绝缘阻抗 Insulation resistance | ≥ 5000 MΩ                       | Diameter: Φ5mm (0.3~8t) 合金钢; 6mm (10~25t) 合金钢; (0.3~25t) 不锈钢         |                                        |



# HSB01-M

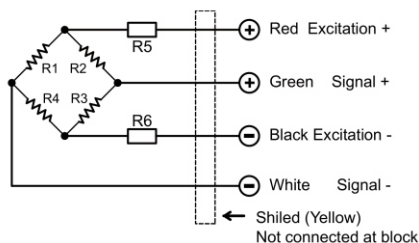
称重传感器  
Weighing Load cell



## HSB01-M 称重传感器适用于 汽车衡、平台秤、配料秤及 各种专用衡器

HSB01-M Applied to truck scales,  
platform scales,blending scales,  
all kinds of special weighing  
instruments

## 接线方式 Circuit Diagram

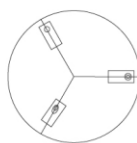


## 主要外形尺寸 Main Dimensions

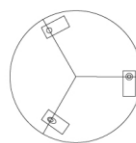
| 额定载荷(t)<br>Rated load | A   | A1  | B   | B1  | L   | L1 | L2  | C   | C1  | H   | H1   | H2   | D   | G   | P  |
|-----------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|------|------|-----|-----|----|
| 0.3~3                 | 150 | 124 | 128 | 102 | 286 | 32 | 226 | 112 | 80  | 107 | 23   | 23   | 1.6 | M10 | 13 |
| 5,7.5,8               | 178 | 146 | 152 | 120 | 318 | 32 | 257 | 152 | 102 | 146 | 32.5 | 29.5 | 1.6 | M16 | 17 |
| 10                    | 184 | 152 | 154 | 122 | 360 | 32 | 295 | 154 | 106 | 216 | 44   | 44   | 3   | M20 | 21 |
| 15~25                 | 220 | 170 | 220 | 170 | 400 | 25 | 350 | 220 | 170 | 254 | 55   | 55   | 3   | M24 | 26 |

## 动载模块安装方式

## 静载模块安装方式



径向安装 Radial Install



切向安装 Cutting Install

- 固定式 Fixed Module
- 全浮动式 Float Module
- 半浮动式 Semi-float Module



矩形安装 Rectangle Install

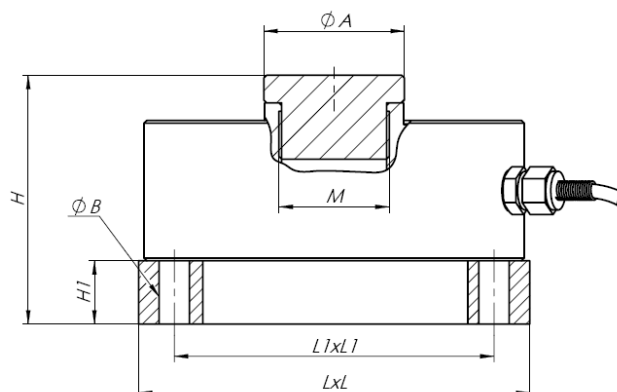


矩形安装 Rectangle Install

## 主要技术指标 Specification

|                            |                              |                                                                 |                                        |
|----------------------------|------------------------------|-----------------------------------------------------------------|----------------------------------------|
| 额定载荷 Rated load (Emax)     | 0.3~3t, 5, 7.5, 8, 10, 15~25 | 工作温度范围 Operating Temp Range                                     | (-30~+70)°C                            |
| 灵敏度 Sensitivity            | 2.0±0.002% mV/V              | 安全过载 Safe load limit                                            | 150% F.S.; 120% F.S.(20~25t)           |
| 综合误差 Combined error        | ±0.02 % F.S.; ±0.03 % F.S    | 极限过载 Ultimate overload                                          | 250% F.S.; 200% F.S.(20~25t)           |
| 蠕变 (30分钟) Creep/30min      | ±0.02 % F.S./30min           | 推荐激励电压 Recommend excitation                                     | 10~12V DC                              |
| 零点平衡 Zero balance          | ±1 % F.S                     | 最大激励电压 Max excitation                                           | 15V DC                                 |
| 零点温度影响 TCO                 | ±0.02 % F.S/10°C             | 密封等级 Protection Class                                           | Ip67(0.3~0.5t); IP68(1~25t)            |
| 输出温度影响 TC SPAN             | ±0.02 % F.S/10°C             | 材质 Material                                                     | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输入阻抗 Input resistance      | 400±10 Ω                     | 连接电缆 Cable                                                      |                                        |
| 输出阻抗 Output resistance     | 352±3 Ω                      | length=2.6m(0.3~2t); 3.5m(3t); 5.2m(5~8t); 7m(10t); 12m(15~25t) |                                        |
| 绝缘阻抗 Insulation resistance | ≥5000MΩ                      | Diameter: Φ5mm(0.3~8t)合金钢; 6mm(10~25t)合金钢; (0.3~25t)不锈钢         |                                        |

# HLF01



HLF01 轮辐式称重传感器适用汽车衡、轨道衡、配料秤。

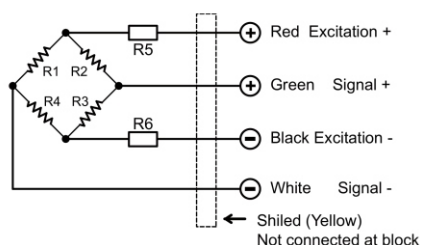
HLF01 Applied to car weighter, orbit weighter, batching weighing.

## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | H    | H1 | ΦA    | ΦB  | L     | L1    | M       |
|-----------------------|------|----|-------|-----|-------|-------|---------|
| 0.5~3                 | 62.8 | 18 | Φ32   | Φ11 | 130   | 103.8 | M16×1.5 |
| 5~10                  | 84.8 | 23 | Φ42   | Φ11 | 120.7 | 98.8  | M32×1.5 |
| 15~30                 | 90.2 | 23 | Φ51   | Φ11 | 142   | 116   | M40×1.5 |
| 40~60                 | 102  | 23 | Φ67.5 | Φ13 | 180   | 147.1 | M32×1.5 |

## 接线方式

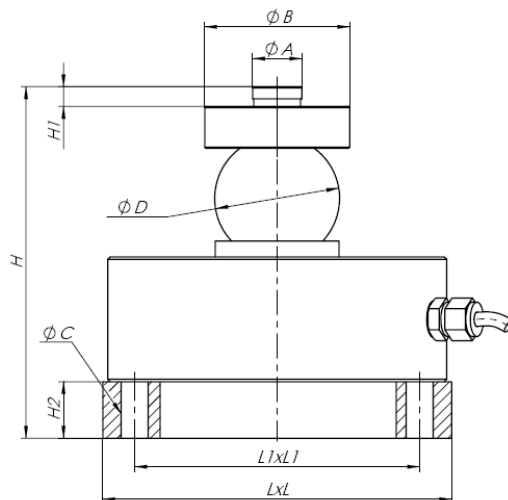
### Circuit Diagram



## 主要技术指标 Specification

|                       |                             |                             |                                      |
|-----------------------|-----------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 10, 20, 25, 30, 40, 50, 60t | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity       | 2.0±0.006mV/V               | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error    | ±0.02%F.S., ±0.03 %F.S      | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | ±0.02%F.S./30min            | 极限过载 Ultimate overload      | 200%F.S                              |
| 零点平衡Zero balance      | ±1%F.S                      | 推荐激励电压 Recommend excitation | 10~12V DC                            |
| 零点温度影响TCO             | ±0.02% F.S/10°C             | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN         | ±0.02%F.S/10°C              | 密封等级 Protection Class       | Ip67                                 |
| 输入阻抗Input resistance  | 775±10Ω                     | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 702±2Ω                      | 连接电缆 Cable                  | Length:10m Diameter: Φ6mm            |

# HLF02



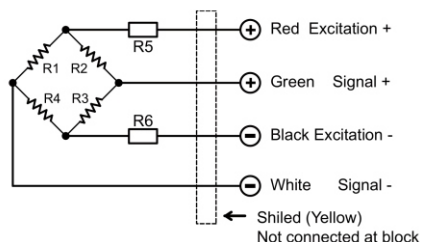
HLF02 轮辐式称重传感器适用汽车衡、轨道衡、配料秤。

HLF02 Applied to car weighter, orbit weighter, batching weighing.

## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | H     | H1 | H2 | A   | B   | C   | D     | L     | L1    |
|------------------------|-------|----|----|-----|-----|-----|-------|-------|-------|
| 0.5~3                  | 90.2  | 11 | 18 | Φ20 | Φ32 | Φ11 | Φ25.4 | 130   | 103.8 |
| 5~10                   | 129.1 | 8  | 23 | Φ20 | Φ49 | Φ11 | Φ38.1 | 120.7 | 98.8  |
| 15~30                  | 143.1 | 8  | 23 | Φ20 | Φ59 | Φ11 | Φ50.8 | 142   | 116   |
| 40~60                  | 154.8 | 11 | 23 | Φ30 | Φ63 | Φ13 | Φ50.8 | 180   | 147.1 |

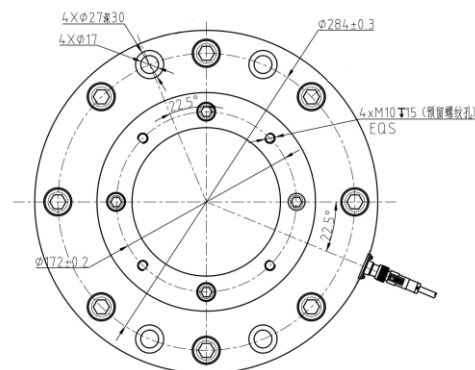
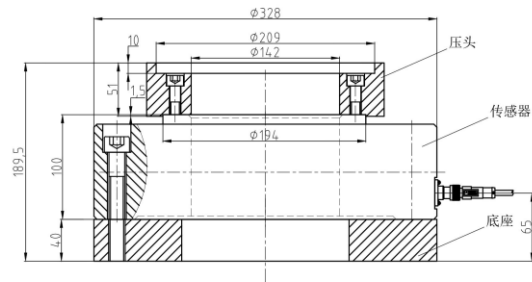
## 接线方式 Circuit Diagram



## 主要技术指标 Specification

|                                     |                             |                             |                                        |
|-------------------------------------|-----------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 10, 20, 25, 30, 40, 50, 60t | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity                     | 2.0±0.006mV/V               | 工作温度范围 Operating Temp Range | (-30~+70)°C                            |
| 综合误差 Combined error                 | ±0.02%F.S., ±0.03 %F.S      | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.02%F.S./30min            | 极限过载 Ultimate overload      | 200%F.S                                |
| 零点平衡 Zero balance                   | ±1%F.S                      | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.02% F.S./10°C            | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02%F.S./10°C             | 密封等级 Protection Class       | Ip67                                   |
| 输入阻抗 Input resistance               | 775±10Ω                     | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 702±2Ω                      | 连接电缆 Cable                  | Length: 10m Diameter: Φ6mm             |

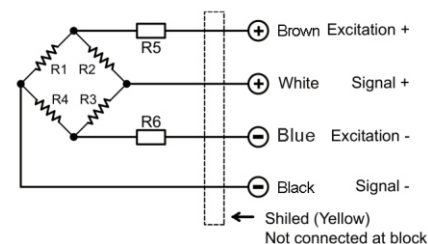
# HLF03



**HLF03 应用于高铁及公路桥梁混凝土轨道板自动张拉系统，用于控制轨道板浇筑时钢筋张力的控制，有效保证轨道板的浇筑强度。**

HLF03 Applied in the automatic tensioning system of high speed railway and highway bridge concrete track plate, Used for tension test and so on

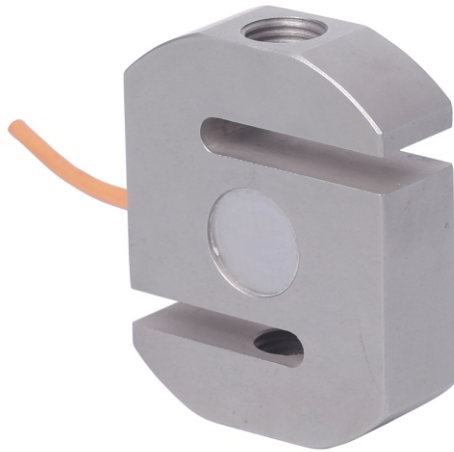
## 接线方式 Circuit Diagram



## 主要技术指标 Specification

|                       |                       |                             |                                      |
|-----------------------|-----------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 300, 500t             | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity       | 2.5±0.006mV/V         | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error    | ±0.05%F.S; ±0.03 %F.S | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | ±0.05%F.S/30min       | 极限过载 Ultimate overload      | 200%F.S                              |
| 零点平衡Zero balance      | ±1%F.S                | 推荐激励电压 Recommend excitation | 10~12V DC                            |
| 零点温度影响TCO             | ±0.02% F.S/10°C       | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN         | ±0.02%F.S/10°C        | 密封等级 Protection Class       | Ip67                                 |
| 输入阻抗Input resistance  | 750±20 Ω              | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 702±3 Ω               | 连接电缆 Cable                  | Length:1.5m Diameter: Φ6mm           |

# HST01

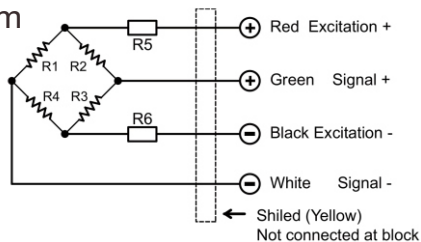


**HST01型称重传感器适用于吊钩秤、配料秤、包装秤、机电结合秤及专用测力装置**

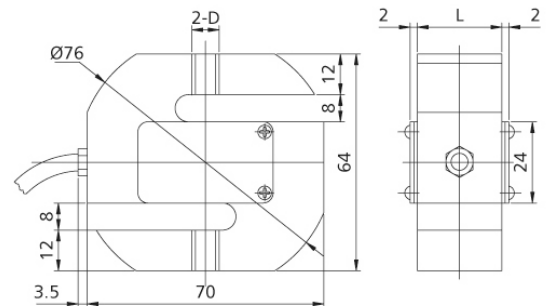
HST01 Applied to crane scales, batching scales, package scales, electronic machinery scales and special dynamometry devices.

## 接线方式

### Circuit Diagram



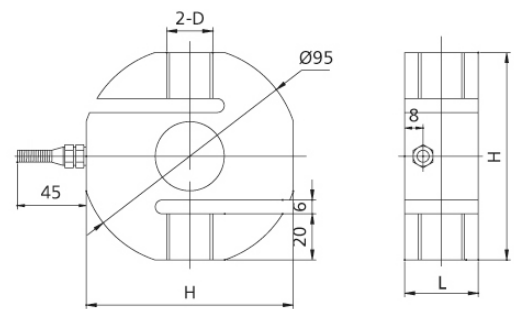
20~1000kg



### 主要外形尺寸 Main Dimensions

| 额定载荷 (kg)<br>Rated load | D   | L  |
|-------------------------|-----|----|
| 20~150                  | M8  | 12 |
| 200~500                 | M12 | 20 |
| 700~1000                | M12 | 25 |

1.2~10t

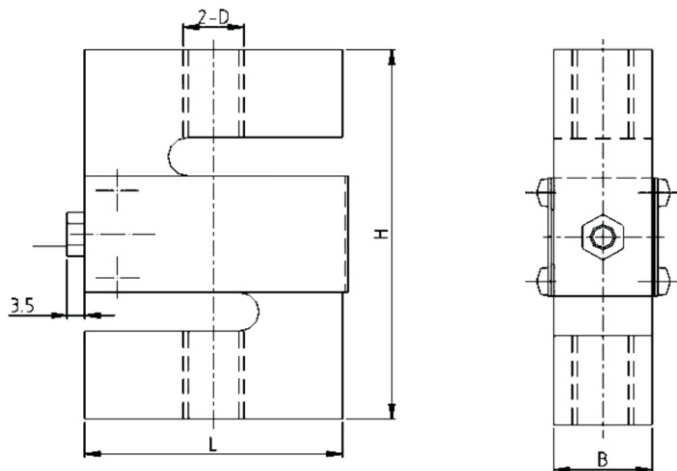
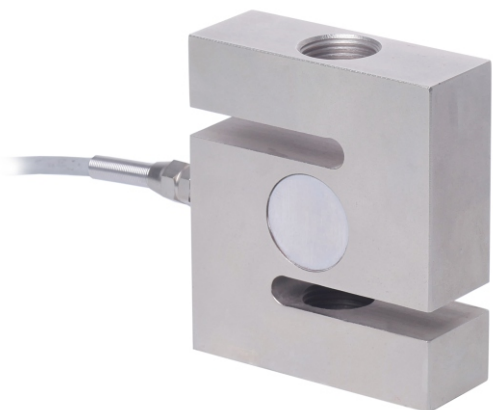


### 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | D     | L  | H   |
|------------------------|-------|----|-----|
| 1.2~5                  | M20   | 32 | 90  |
| 7.5                    | M24   | 40 | 90  |
| 10                     | M30x2 | 50 | 110 |

## 主要技术指标 Specification

|                                     |                          |                                               |                                        |
|-------------------------------------|--------------------------|-----------------------------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 20~1000kg, 1.2~10t       | 工作温度范围 Operating Temp Range                   | (-30~+70)°C                            |
| 灵敏度 Sensitivity                     | 2.0±0.003mV/V            | 安全过载 Safe load limit                          | 120%F.S                                |
| 综合误差 Combined error                 | ±0.05 % F.S; ±0.03 % F.S | 极限过载 Ultimate overload                        | 200%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.03 % F.S/30min        | 推荐激励电压 Recommend excitation                   | 10~12V DC                              |
| 零点平衡 Zero balance                   | ±1 % F.S                 | 最大激励电压 Max excitation                         | 15V DC                                 |
| 零点温度影响 TCO                          | ±0.02 % F.S/10°C         | 密封等级 Protection Class                         | IP65(20~100kg); IP68(1.2~10t)          |
| 输出温度影响 TC SPAN                      | ±0.02 % F.S/10°C         | 材质 Material                                   | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输入阻抗 Input resistance               | 400±20Ω                  | 连接电缆 Cable                                    |                                        |
| 输出阻抗 Output resistance              | 352±3Ω                   | length=2.6m(20~1000kg), 3m(1.2~10t);          |                                        |
| 绝缘阻抗 Insulation resistance          | ≥5000MΩ                  | Diameter: Φ5mm(20~1000kg, 10t); 6mm(1.2~7.5t) |                                        |

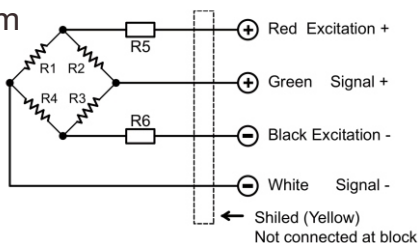


**HST02型称重传感器适用于吊钩秤、配料秤、包装秤、机电结合秤及专用测力装置**

HST02 Applied to crane scales, batching scales, package scales, electronic machinery scales and special dynamometry devices.

**接线方式**

**Circuit Diagram**



**主要外形尺寸 Main Dimensions**

| 额定载荷 (t)<br>Rated load | D       | L    | H     | B    |
|------------------------|---------|------|-------|------|
| 100~750                | M10     | 51   | 76.2  | 19.1 |
| 1000                   | M12     | 51   | 76.2  | 25.4 |
| 1200~5000              | M20x1.5 | 76.2 | 100.4 | 31.8 |

**主要技术指标 Specification**

|                                     |                           |                             |                                        |
|-------------------------------------|---------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 100~1000kg, 1.2~5t        | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity                     | 2.0±0.003mV/V             | 工作温度范围 Operating Temp Range | (-30~+70)°C                            |
| 综合误差 Combined error                 | ±0.05 % F.S., ±0.03 % F.S | 安全过载 Safe load limit        | 120%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.03 % F.S./30min        | 极限过载 Ultimate overload      | 200%F.S                                |
| 零点平衡 Zero balance                   | ±1 % F.S                  | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.02 % F.S./10°C         | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02 % F.S./10°C         | 密封等级 Protection Class       | IP65(100~1000kg); IP68(1.2~5t)         |
| 输入阻抗 Input resistance               | 400±20Ω                   | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 352±3Ω                    | 连接电缆 Cable                  | Length=5m Diameter: Φ5mm               |

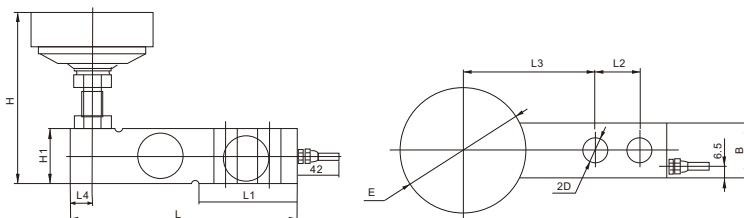
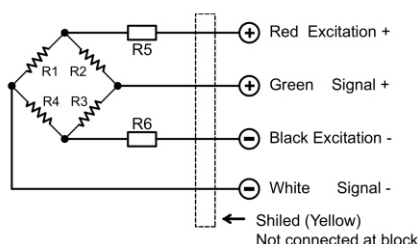




**HSQB01 应用于电子台秤、地上衡、单轨秤、料斗秤。**

HSQB01 Applied to Electronic platform scale, Ground weighter, single-trackscales, hopper weighing.

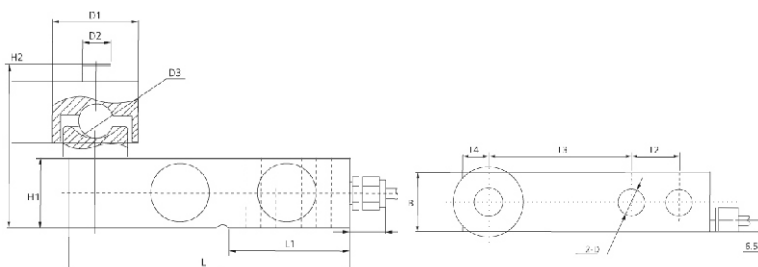
## 接线方式 Circuit Diagram



0.5~10t活动压头结构

## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | L     | L1   | L2   | L3   | L4   | B    | H       | H1   | H2 | D   | E   |
|------------------------|-------|------|------|------|------|------|---------|------|----|-----|-----|
| 0.25~2.5               | 130   | 53.5 | 25.4 | 76.2 | 12.7 | 31.8 | 85-90   | 31.8 | 4  | Φ13 | Φ62 |
| 3~5                    | 171.5 | 72.5 | 38.1 | 95.3 | 19   | 38.1 | 104-114 | 38.1 | 6  | Φ20 | Φ62 |
| 7.5~10                 | 225.5 | 102  | 50.8 | 124  | 25.3 | 50.8 | 132-144 | 50.8 | 8  | Φ27 | Φ80 |



0.5~10t钢球压头结构

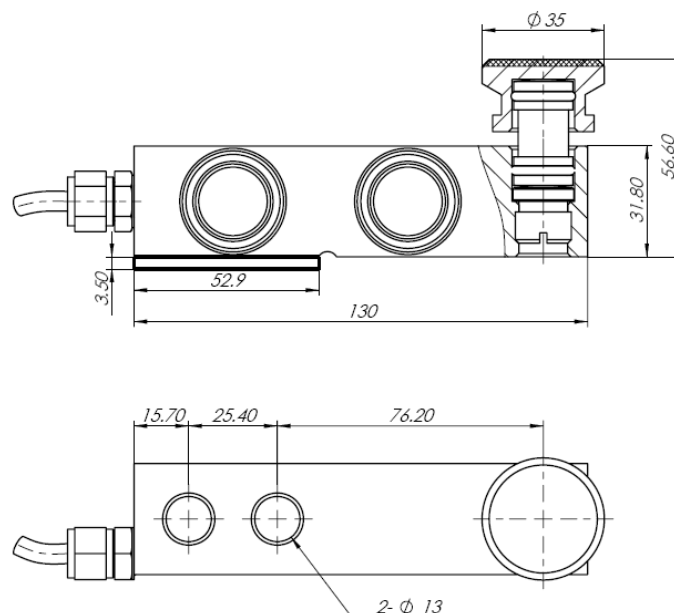
## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | L     | L1   | L2   | L3   | L4   | B    | H    | H1   | H2 | H3 | D   | D1  | D2  | D3    |
|------------------------|-------|------|------|------|------|------|------|------|----|----|-----|-----|-----|-------|
| 0.25~2.5               | 130   | 53.5 | 25.4 | 76.2 | 12.7 | 31.8 | 77.8 | 31.8 | 12 | 4  | Φ13 | Φ38 | Φ12 | S Φ16 |
| 3~5                    | 171.5 | 72.5 | 38.1 | 95.3 | 19   | 38.1 | 94.1 | 38.1 | 10 | 6  | Φ20 | Φ50 | Φ16 | S Φ20 |
| 7.5~10                 | 225.5 | 102  | 50.8 | 124  | 25.3 | 50.8 | 130  | 50.8 | 10 | 8  | Φ27 | Φ64 | Φ20 | S Φ32 |

## 主要技术指标 Specification

|                        |                          |                             |                                        |
|------------------------|--------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (Emax) | 0.25~2.5t, 3~5t, 7.5~10t | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity        | 3.0±0.006mV/V            | 工作温度范围 Operating Temp Range | (-30~+70)°C                            |
| 综合误差 Combined error    | ±0.02%F.S., ±0.03 %F.S   | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min  | ±0.02%F.S./30min         | 极限过载 Ultimate overload      | 180%F.S                                |
| 零点平衡 Zero balance      | ±1%F.S                   | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO             | ±0.02% F.S/10°C          | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN         | ±0.02%F.S/10°C           | 密封等级 Protection Class       | Ip67(0.25~0.75t); IP68(1~10t)          |
| 输入阻抗 Input resistance  | 400±20Ω                  | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance | 352±3Ω                   | 连接电缆 Cable                  | Length: 5m Diameter: Φ5mm              |

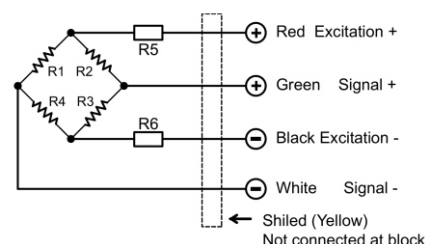
# HSQB01-A



HSQB01-A 型称重传感器适用于汽车衡、地上衡、单轨秤、料斗秤等计量设备中。

HSQB01-A Applied to motor vehicles, ground weighter, single-trackscales, hopper weighing, metering equipment.

## 接线方式 Circuit Diagram

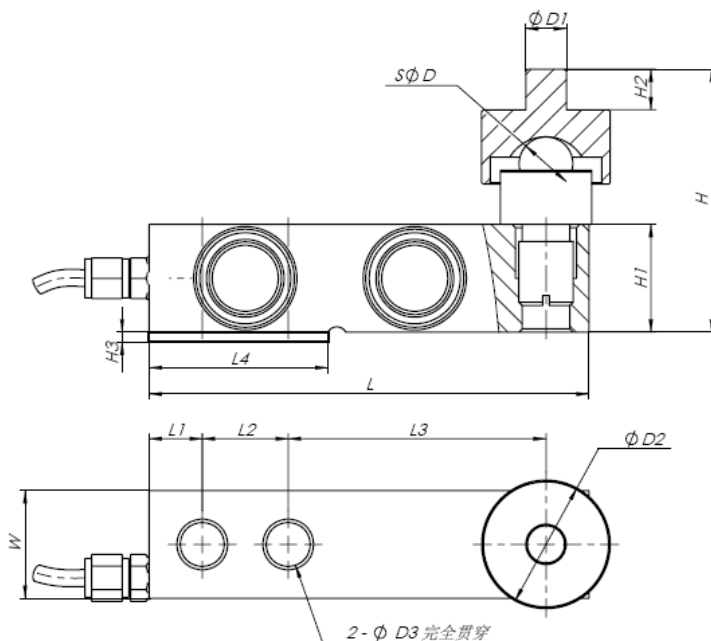


## 主要技术指标 Specification

|                                    |                           |                             |                                      |
|------------------------------------|---------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 0.25~2.5t , 3~5t, 7.5~10t | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity                    | 3.0±0.006mV/V             | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error                 | ±0.02%F.S.; ±0.03 %F.S    | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min              | ±0.02%F.S./30min          | 极限过载 Ultimate overload      | 180%F.S                              |
| 零点平衡Zero balance                   | ±1%F.S                    | 推荐激励电压 Recommend excitation | 10~12V DC                            |
| 零点温度影响TCO                          | ±0.02% F.S/10°C           | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN                      | ±0.02%F.S/10°C            | 密封等级 Protection Class       | Ip67(0.25~0.75t); IP68(1~10t)        |
| 输入阻抗Input resistance               | 400±20Ω                   | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance              | 352±3Ω                    | 连接电缆 Cable                  | Length:5m Diameter: Φ5mm             |

# HSQB01-B

称重传感器  
Weighing Load cell



HSQB01-B 型称重传感器适用于汽车衡、地上衡、单轨秤、料斗秤等计量设备中。

HSQB01-B Applied to motor vehicles, ground weighter, single-track scales, hopper weighing, metering equipment.

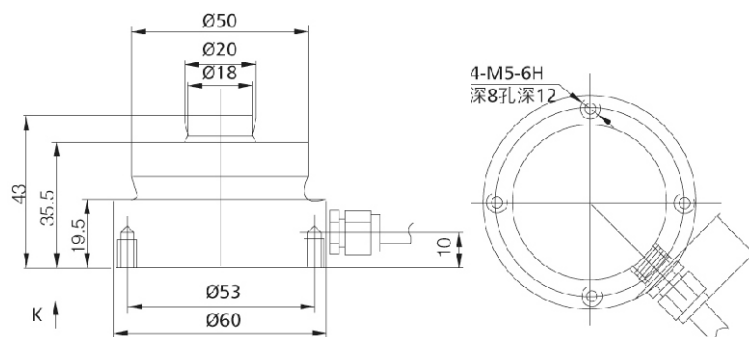
## 主要外形尺寸Main Dimensions

| 额定载荷 (t)<br>Rated load | L     | L1   | L2   | L3   | L4    | H     | H1   | H2 | H3  | W    | D    | D2 | D2 | D3 |
|------------------------|-------|------|------|------|-------|-------|------|----|-----|------|------|----|----|----|
| 0.25~3                 | 130   | 15.7 | 25.4 | 76.2 | 52.9  | 77.7  | 31.8 | 12 | 3.5 | 31.8 | 15.9 | 12 | 38 | 13 |
| 5                      | 171.5 | 19.1 | 38.1 | 95.3 | 78.2  | 98.5  | 38.1 | 10 | 5   | 38.1 | 25.4 | 16 | 49 | 20 |
| 10                     | 225.5 | 25.4 | 50.8 | 124  | 108.9 | 108.9 | 50.8 | 无  | 9   | 50.8 | 38.1 | 无  | 49 | 26 |

## 主要技术指标 Specification

|                                     |                          |                             |                                        |
|-------------------------------------|--------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 0.25~2.5t, 3~5t, 7.5~10t | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity                     | 3.0±0.006mV/V            | 工作温度范围 Operating Temp Range | (-30~+70)°C                            |
| 综合误差 Combined error                 | ±0.02%F.S., ±0.03 %F.S   | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.02%F.S./30min         | 极限过载 Ultimate overload      | 180%F.S                                |
| 零点平衡 Zero balance                   | ±1%F.S                   | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.02% F.S./10°C         | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02%F.S./10°C          | 密封等级 Protection Class       | Ip67(0.25~0.75t); IP68(1~10t)          |
| 输入阻抗 Input resistance               | 400±20Ω                  | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 352±3Ω                   | 连接电缆 Cable                  | Length: 5m Diameter: Φ5mm              |

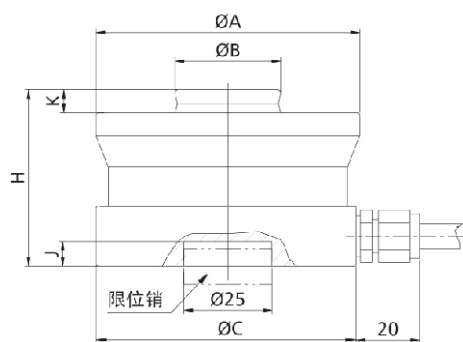
# HNH01



1~4.7t

**HNH01 扭环式称重传感器适用轴重秤、料斗秤、仓储秤、罐体秤。**

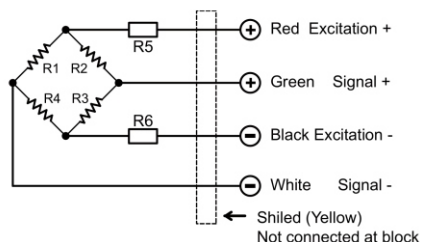
HNH01 Applied to axle scales, Storage scales, experimental measurement machinery, tank scales.



10~150t

## 接线方式

## Circuit Diagram



## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | A   | B  | C   | H   | J | K   |
|------------------------|-----|----|-----|-----|---|-----|
| 10~22                  | 75  | 30 | 75  | 50  | 7 | 6.5 |
| 33                     | 95  | 40 | 95  | 65  | 7 | 10  |
| 47                     | 130 | 60 | 130 | 75  | 7 | 14  |
| 68                     | 130 | 60 | 130 | 85  | 7 | 14  |
| 100                    | 150 | 70 | 150 | 90  | 7 | 16  |
| 150                    | 150 | 70 | 150 | 100 | 7 | 16  |

## 主要技术指标 Specification

|                                     |                       |                                                  |                                        |
|-------------------------------------|-----------------------|--------------------------------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 1~150t                | 工作温度范围 Operating Temp Range                      | (-30~+70)°C                            |
| 灵敏度 Sensitivity                     | 2.85±0.01mV/V         | 安全过载 Safe load limit                             | 150%F.S                                |
| 综合误差 Combined error                 | ±0.03%F.S, ±0.05 %F.S | 极限过载 Ultimate overload                           | 200%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.03%F.S/30min       | 推荐激励电压 Recommend excitation                      | 10~12V DC                              |
| 零点平衡 Zero balance                   | ±1%F.S                | 最大激励电压 Max excitation                            | 15V DC                                 |
| 零点温度影响 TCO                          | ±0.03% F.S/10°C       | 密封等级 Protection Class                            | Ip68                                   |
| 输出温度影响 TC SPAN                      | ±0.03%F.S/10°C        | 材质 Material                                      | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输入阻抗 Input resistance               | 1450±10Ω              | 连接电缆 Cable                                       |                                        |
| 输出阻抗 Output resistance              | 1402±5Ω (L ≥ 15m)     | Length: L: 8m(1~4.7t), 12M(10~33t), 16m(47~150t) |                                        |
| 绝缘阻抗 Insulation resistance          | ≥ 5000MΩ              | Diameter: Φ 6mm                                  |                                        |

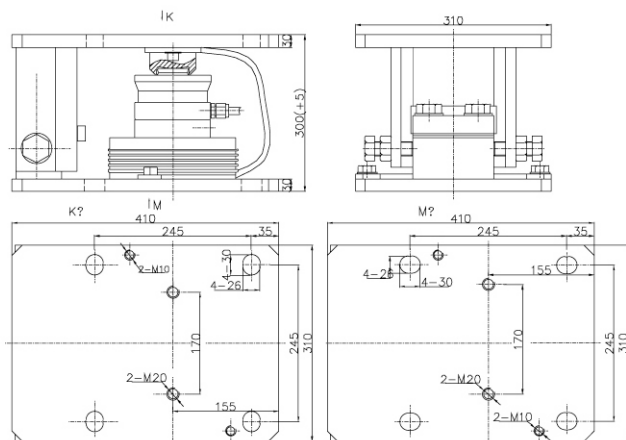
# HNH01-配件

称重传感器  
Weighing Load cell

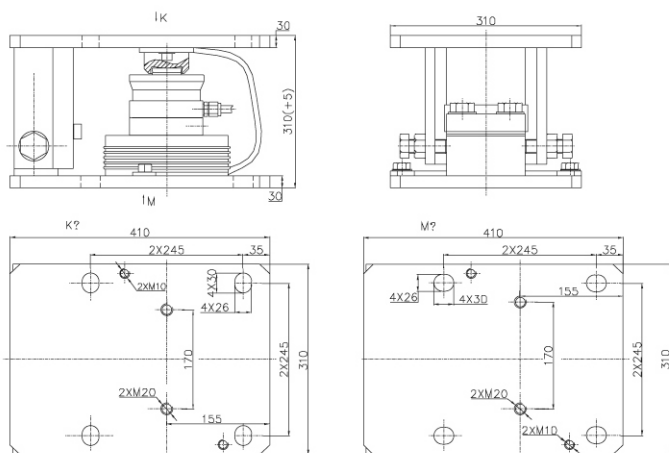


轴量秤、料斗秤、仓储秤、罐体秤  
Axle wheel scale, hopper scale, warehouse scale, canned scale

NHS 100t

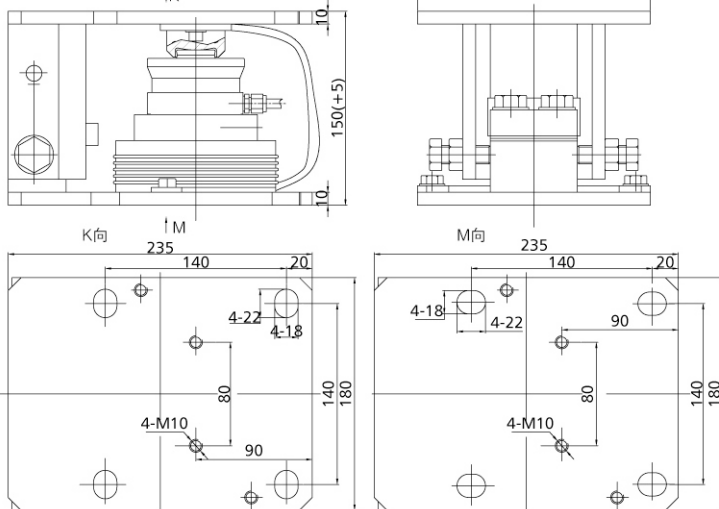


NHS 150t

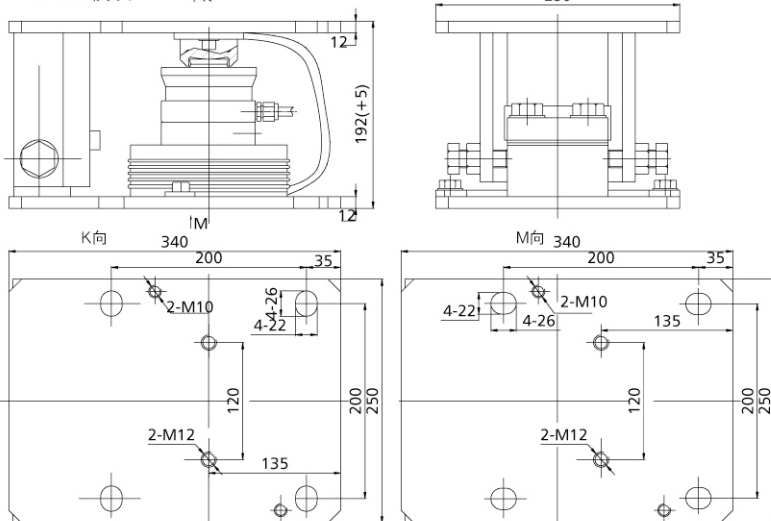


|            |     |     |
|------------|-----|-----|
| 额定载荷(t)    | 47  | 68  |
| Rated Load | 47  | 68  |
| H          | 230 | 240 |

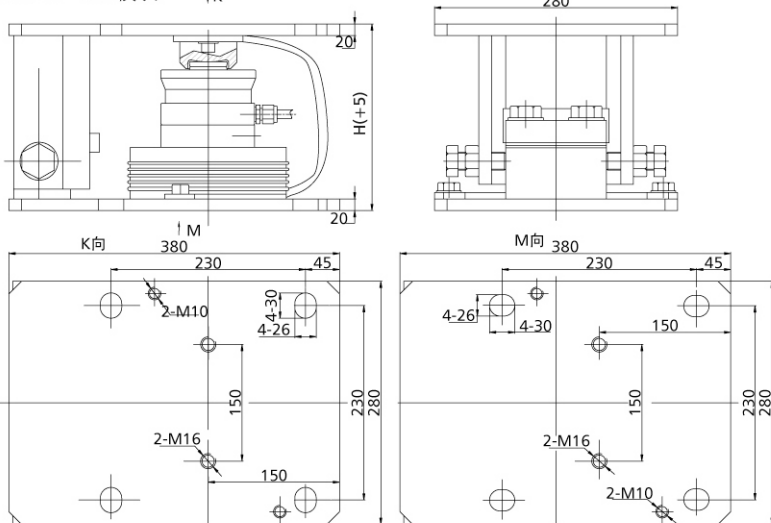
NHS 10~22t模块



NHS 33t模块



NHS 47~68t模块



# HNH02

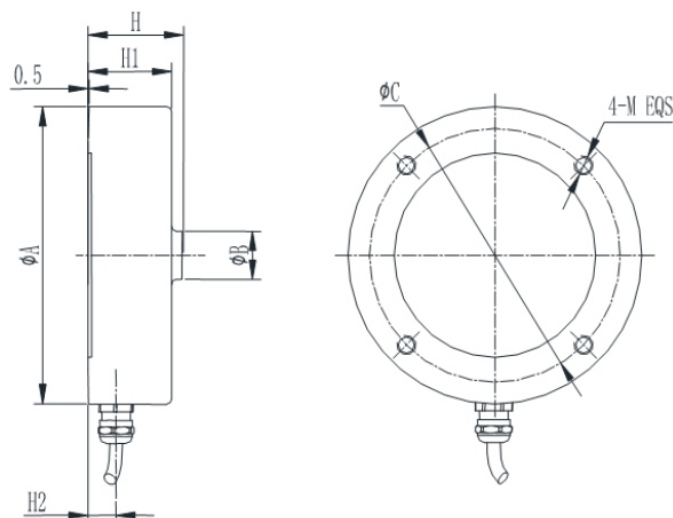
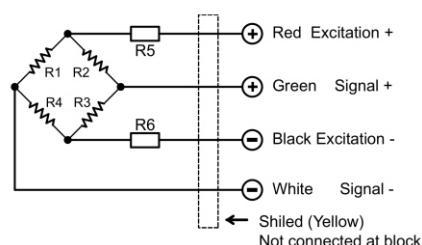


**HNH02 高度低，变形量小不锈钢材料可定制、防护等级：IP68 适用于各种小空间的测力，广泛应用于工业、研发等领域的测量和控制**

HNH02 Low profile, small deflection  
Made of stainless steel Customizable,  
IP68 protection Suitable for force  
measurement in limited spaces. Widely  
used for industrial measurement and  
control, R&D and other applications

## 接线方式

## Circuit Diagram



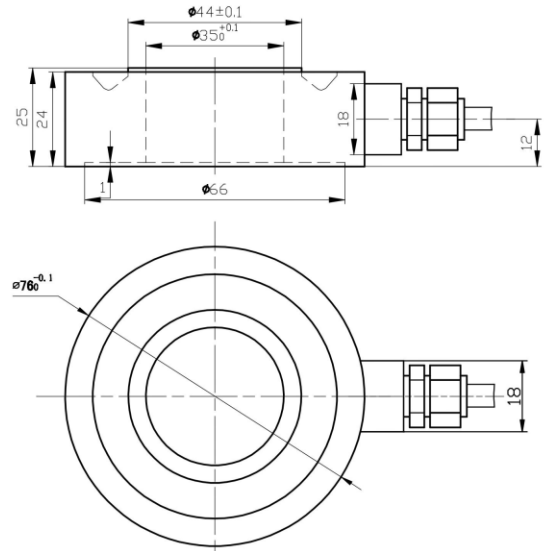
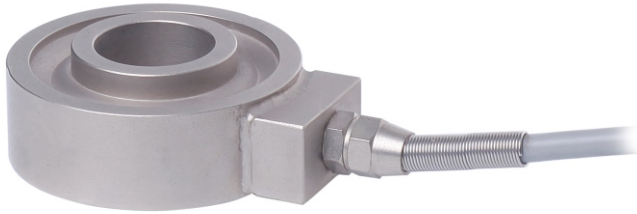
## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | A   | B  | C    | H  | H1 | H2 | M         |
|------------------------|-----|----|------|----|----|----|-----------|
| 25                     | 65  | 10 | 54.2 | 25 | 21 | 9  | M5deep8   |
| 50                     | 110 | 20 | 95   | 35 | 30 | 14 | M6deep12  |
| 100                    | 125 | 20 | 105  | 40 | 35 | 14 | M6deep12  |
| 250                    | 135 | 32 | 115  | 60 | 50 | 14 | M12deep20 |
| 5000                   | 175 | 45 | 145  | 65 | 53 | 14 | M6deep2   |

## 主要技术指标 Specification

|                            |                     |                                        |                                        |
|----------------------------|---------------------|----------------------------------------|----------------------------------------|
| 额定载荷 Rated load (Emax)     | 25,50,100,250,500kN | 工作温度范围 Operating Temp Range            | (-20~+80)°C                            |
| 灵敏度 Sensitivity            | 2.0±0.01mV/V        | 安全过载 Safe load limit                   | 150%F.S                                |
| 综合误差 Combined error        | ±0.03%F.S;          | 极限过载 Ultimate overload                 | 200%F.S                                |
| 蠕变 (30分钟) Creep/30min      | ±0.02%F.S/30min     | 推荐激励电压 Recommend excitation            | 10~12V DC                              |
| 零点平衡 Zero balance          | ±1%F.S              | 最大激励电压 Max excitation                  | 15V DC                                 |
| 零点温度影响 TCO                 | ±0.03% F.S/10°C     | 密封等级 Protection Class                  | Ip68                                   |
| 输出温度影响 TC SPAN             | ±0.03%F.S/10°C      | 材质 Material                            | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输入阻抗 Input resistance      | 385/780±20 Ω        | 连接电缆 Cable                             |                                        |
| 输出阻抗 Output resistance     | 350/700±10 Ω        | Length: L:5m(25~100kN), 10M(250~500kN) |                                        |
| 绝缘阻抗 Insulation resistance | ≥5000MΩ             | Diameter: Φ 5mm                        |                                        |

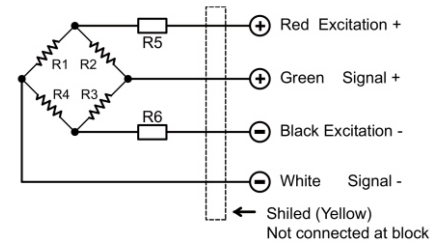




**HNH03 扭环式称重传感器适用轴重秤、料斗秤、仓储秤、罐体秤。**

HNH03 Applied to axle scales, Storage scales, experimental measurement machinery, tank scales.

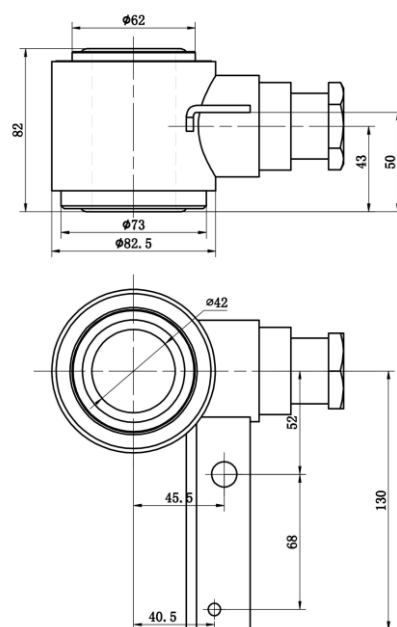
**接线方式**  
Circuit Diagram



## 主要技术指标 Specification

|                                     |                     |                             |                                        |
|-------------------------------------|---------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 0.5, 1, 2, 3, 4, 5t | 绝缘阻抗 Insulation resistance  | ≥ 5000MΩ                               |
| 灵敏度 Sensitivity                     | 1.5±0.2mV/V         | 工作温度范围 Operating Temp Range | (-20~+80)°C                            |
| 综合误差 Combined error                 | ±0.5%F.S.           | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.3%F.S./30min     | 极限过载 Ultimate overload      | 200%F.S                                |
| 零点平衡 Zero balance                   | ±1%F.S              | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.3% F.S/10°C      | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.3%F.S/10°C       | 密封等级 Protection Class       | Ip68                                   |
| 输入阻抗 Input resistance               | 750±50Ω             | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 702±3Ω              | 连接电缆 Cable                  | Length: L: 10m Diameter: Φ 5mm         |

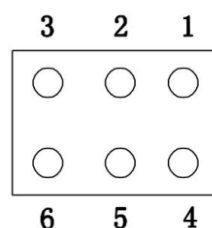
# HTZ01



## HTZ01适用于石油开采（磕头机）

HTZ01 Applied to oil extraction  
(pumpjack)

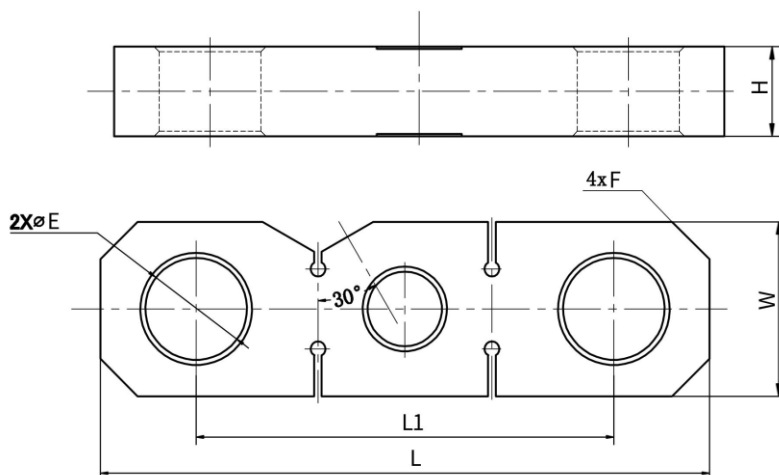
## 接线方式 Circuit Diagram



1: Exc-  
3: Sin-  
4: Exc+  
6: Sin+

## 主要技术指标 Specification

|                                    |                  |                             |                                    |
|------------------------------------|------------------|-----------------------------|------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 30,50klb         | 绝缘阻抗Insulation resistance   | ≥5000MΩ                            |
| 灵敏度 Sensitivity                    | 2.0±0.2mV/V      | 工作温度范围Operating Temp Range  | (-30~+70)°C                        |
| 综合误差Combined error                 | ±0.15%F.S.       | 安全过载 Safe load limit        | 150%F.S                            |
| 蠕变（30分钟）Creep/30min                | ±0.03%F.S./30min | 极限过载 Ultimate overload      | 300%F.S                            |
| 零点平衡Zero balance                   | ±1%F.S           | 推荐激励电压 Recommend excitation | 10~12V DC                          |
| 零点温度影响TCO                          | ±0.03% F.S/10°C  | 最大激励电压 Max excitation       | 15V DC                             |
| 输出温度影响TC SPAN                      | ±0.05%F.S/10°C   | 密封等级 Protection Class       | Ip67                               |
| 输入阻抗Input resistance               | 800±40Ω          | 材质 Material                 | 不锈钢Stainless steel                 |
| 输出阻抗Output resistance              | 702±5Ω           | 连接电缆 Cable                  | 连接器<br>no cable but with connector |



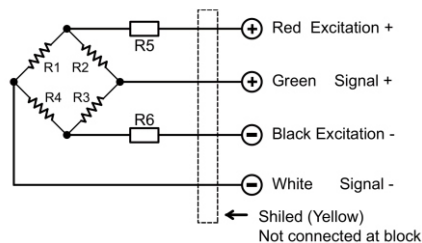
### HBH01 板环式传感器适用于吊钩秤、料斗秤、包装秤、过载限位（可订制高温传感器）

HBH01 plate ring type sensor is fitted for Hook scale, hopper scale, packing scale, overload limiter (customized high temperature sensor)

### 主要外形尺寸 Main Dimensions and Accessories

| 额定载荷 (t) Rated load | 5   | 10  | 20  | 30  |
|---------------------|-----|-----|-----|-----|
| L                   | 190 | 245 | 312 | 370 |
| L 1                 | 137 | 168 | 206 | 246 |
| W                   | 55  | 70  | 94  | 114 |
| H                   | 30  | 36  | 45  | 50  |
| E                   | 27  | 41  | 54  | 60  |
| F                   | C10 | C15 | C20 | C20 |

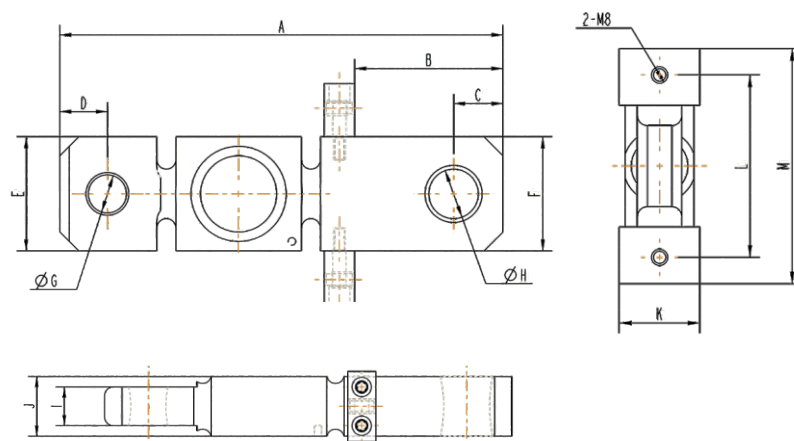
### 接线方式 Circuit Diagram



### 主要技术指标 Specification

|                                     |                        |                             |                                        |
|-------------------------------------|------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 3t, 5t, 10, 20t        | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity                     | 1.8±0.002mV/V          | 工作温度范围 Operating Temp Range | (-30~+70)°C                            |
| 综合误差 Combined error                 | ±0.05%F.S.; ±0.03 %F.S | 安全过载 Safe load limit        | 120%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.02%F.S./30min       | 极限过载 Ultimate overload      | 150%F.S                                |
| 零点平衡 Zero balance                   | ±1%F.S                 | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.02% F.S./10°C       | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02%F.S./10°C        | 密封等级 Protection Class       | IP68                                   |
| 输入阻抗 Input resistance               | 400±20Ω                | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 352±3Ω                 | 连接电缆 Cable                  | Length: 5m Diameter: Φ6mm              |

# HLN01



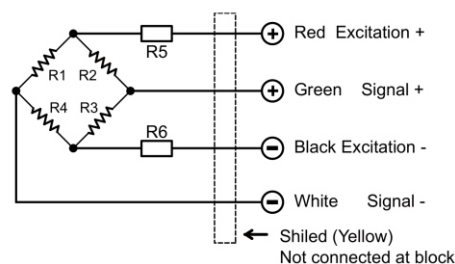
**HLN01 吊钩秤专用传感器,弹性体采用整体合金钢制作,具有过载能力强、精度高、抗偏载能力好等优点,在弹性体的上下端可配套专用的吊环、吊钩,组装吊秤十分方便。**

HLN01 Specialised in crane scale, elastomer using alloy steel entirety with high overloading ,high precision, high impact-resistance and other characteristics.Upper and lowerends of the elastomer can be equipped with special rings,hook,Easily assembled crane scale.

## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | A   | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L   | M   |
|------------------------|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 3                      | 233 | 78 | 26 | 25 | 60 | 60 | 20 | 26 | 22 | 34 | 40 | 90  | 116 |
| 5                      | 254 | 98 | 30 | 26 | 60 | 60 | 26 | 32 | 33 | 40 | 40 | 90  | 116 |
| 10                     | 280 | 34 | 34 | 30 | 80 | 72 | 26 | 38 | 30 | 50 | 40 | 102 | 128 |

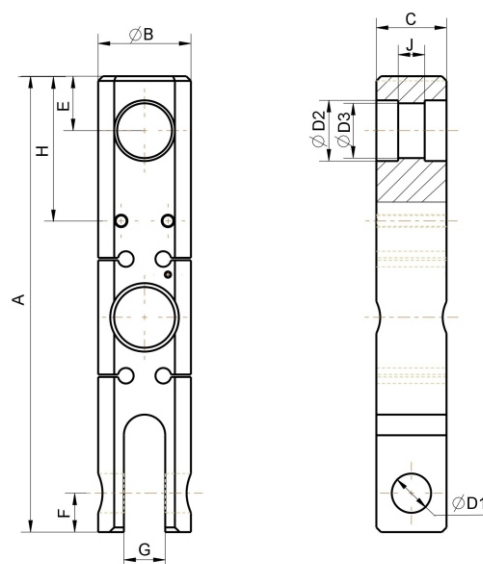
## 接线方式 Circuit Diagram



## 主要技术指标 Specification

|                       |                 |                             |                                      |
|-----------------------|-----------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 3, 5, 10t       | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity       | 2.0±0.006mV/V   | 工作温度范围Operating Temp Range  | (-20~+60)°C                          |
| 综合误差Combined error    | ±0.01%F.S       | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | ±0.05%F.S/30min | 极限过载 Ultimate overload      | 180%F.S                              |
| 零点平衡Zero balance      | ±1%F.S          | 推荐激励电压 Recommend excitation | 10~12V DC or AC                      |
| 零点温度影响TCO             | ±0.02% F.S/10°C | 最大激励电压 Max excitation       | 15V DC or AC                         |
| 输出温度影响TC SPAN         | ±0.02%F.S/10°C  | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance  | 350±5Ω          | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 350±5Ω          | 连接电缆 Cable                  | Length:30cm Diameter: Φ6mm           |

# HLN02



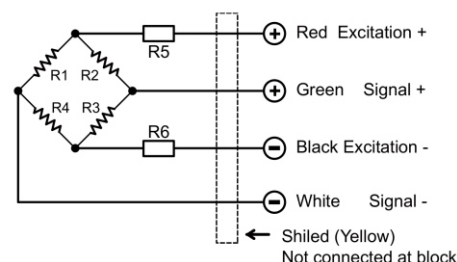
**HLN02 吊钩秤专用传感器,弹性体采用整体合金钢制作,具有过载能力强、精度高、抗偏载能力好等优点,在弹性体的上下端可配套专用的吊环、吊钩,组装吊秤十分方便。**

HLN02 Specialised in crane scale, elastomer using alloy steel entirety with high overloading ,high precision, high impact-resistance and other characteristics.Upper and lowerends of the elastomer can be equipped with special rings,hook,Easily assembled crane scale.

## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | A   | B    | C  | D1   | D2   | D3   | E    | F  | G    | H    | J  |
|-----------------------|-----|------|----|------|------|------|------|----|------|------|----|
| 3                     | 275 | 55   | 40 | 21.2 | 33   | 30   | 30   | 22 | 24   | 82.5 | 15 |
| 5                     | 293 | 59.5 | 45 | 25   | 39   | 35.2 | 35   | 25 | 26.5 | 93   | 17 |
| 10                    | 321 | 76   | 55 | 32   | 41.2 | 40   | 40.5 | 32 | 32.4 | 104  | 21 |

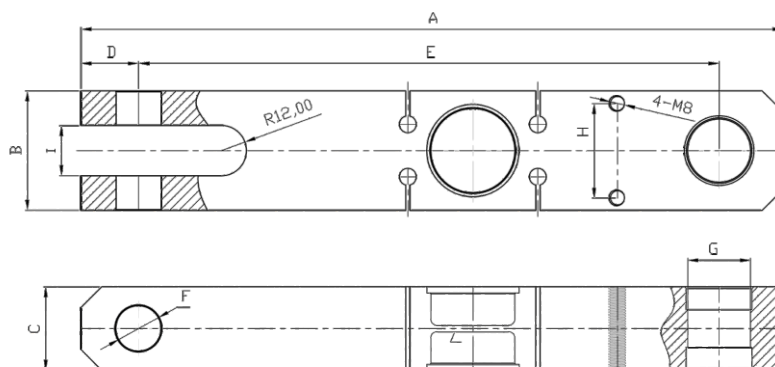
## 接线方式 Circuit Diagram



## 主要技术指标 Specification

|                       |                              |                             |                                      |
|-----------------------|------------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 3, 5, 10t                    | 绝缘阻抗Insulation resistance   | $\geq 5000M\Omega$                   |
| 灵敏度 Sensitivity       | $2.0 \pm 0.006mV/V$          | 工作温度范围Operating Temp Range  | $(-20 \sim +60)^{\circ}C$            |
| 综合误差Combined error    | $\pm 0.01\%F.S$              | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | $\pm 0.05\%F.S/30min$        | 极限过载 Ultimate overload      | 180%F.S                              |
| 零点平衡Zero balance      | $\pm 1\%F.S$                 | 推荐激励电压 Recommend excitation | 10~12V DC or AC                      |
| 零点温度影响TCO             | $\pm 0.02\% F.S/10^{\circ}C$ | 最大激励电压 Max excitation       | 15V DC or AC                         |
| 输出温度影响TC SPAN         | $\pm 0.02\%F.S/10^{\circ}C$  | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance  | $350 \pm 5\Omega$            | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | $350 \pm 5\Omega$            | 连接电缆 Cable                  | Length:30cm Diameter: $\Phi 6mm$     |

# HLN03



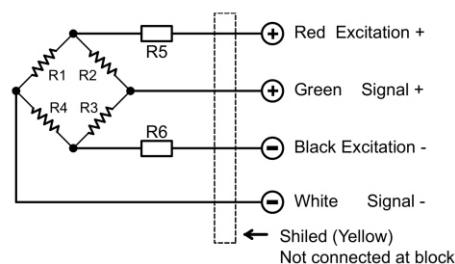
HLN03 吊钩秤专用传感器,采用整体合金钢制造,优化结构设计,精度高,转角误差小,适合制造各种高精度吊秤。

HLN03 Specialised in crane scale for using alloy steel entirety. Optimized structure design,high precision,small angle for rotation error,suit for manufacturing various high-precision crane scales.

## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | A   | B  | C  | D    | E   | F    | G  | H  | I  |
|------------------------|-----|----|----|------|-----|------|----|----|----|
| 3                      | 335 | 57 | 40 | 27   | 277 | 21.5 | 30 | 45 | 24 |
| 5                      | 362 | 68 | 45 | 28   | 298 | 26   | 35 | 50 | 36 |
| 10                     | 384 | 83 | 55 | 34.5 | 307 | 32.4 | 40 | 60 | 32 |

## 接线方式 Circuit Diagram

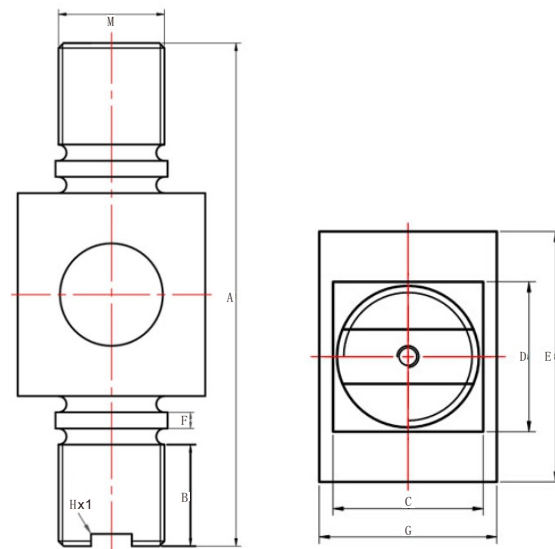


## 主要技术指标 Specification

|                        |                              |                             |                                        |
|------------------------|------------------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (Emax) | 3, 5, 10t                    | 绝缘阻抗 Insulation resistance  | $\geq 5000M\Omega$                     |
| 灵敏度 Sensitivity        | $2.0 \pm 0.006mV/V$          | 工作温度范围 Operating Temp Range | $(-20 \sim +60)^{\circ}C$              |
| 综合误差 Combined error    | $\pm 0.01\%F.S$              | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min  | $\pm 0.05\%F.S/30min$        | 极限过载 Ultimate overload      | 180%F.S                                |
| 零点平衡 Zero balance      | $\pm 1\%F.S$                 | 推荐激励电压 Recommend excitation | 10~12V DC or AC                        |
| 零点温度影响 TCO             | $\pm 0.02\% F.S/10^{\circ}C$ | 最大激励电压 Max excitation       | 15V DC or AC                           |
| 输出温度影响 TC SPAN         | $\pm 0.02\%F.S/10^{\circ}C$  | 密封等级 Protection Class       | IP68                                   |
| 输入阻抗 Input resistance  | $350 \pm 5\Omega$            | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance | $350 \pm 5\Omega$            | 连接电缆 Cable                  | Length: 30cm Diameter: $\Phi 6mm$      |



# HLN04



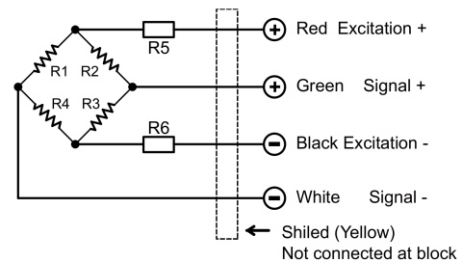
**HLN04 吊钩秤专用传感器,弹性体采用整体合金钢制作,具有精度高、安装方便、抗偏载能力强、抗冲击性能好等特点, 经过良好的防潮密封, 适用各种吊秤。**

HLN04 Specialised in crane scale for using alloy steel entirety with high precision,easy installation, perfect impact-resistanceand strong resistance of deflecting load through good moistureand sealing,suitable for all types fo hanging scales.

## 主要外形尺寸 Main Dimensions

| 额定载荷(t)<br>Rated load | A     | B    | C    | D    | E    | F   | G    | H    | H x 1  | M       |
|-----------------------|-------|------|------|------|------|-----|------|------|--------|---------|
| 5                     | 206.0 | 48.5 | 45.0 | 55.0 | 65.0 | 8.0 | 45.0 | 26.0 | -      | M36 x 3 |
| 10                    | 206.0 | 49.0 | 55.0 | 55.0 | 76.0 | 8.0 | 58.0 | 32.0 | 12 x 8 | M42 x 3 |
| 20                    | 250.0 | 60.0 | 56.0 | 56.0 | 93.0 | 8.0 | 64.0 | 38.0 | 20 x 6 | M52 x 3 |

## 接线方式 Circuit Diagram

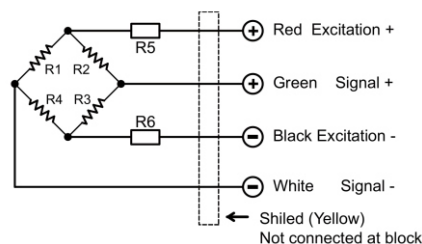
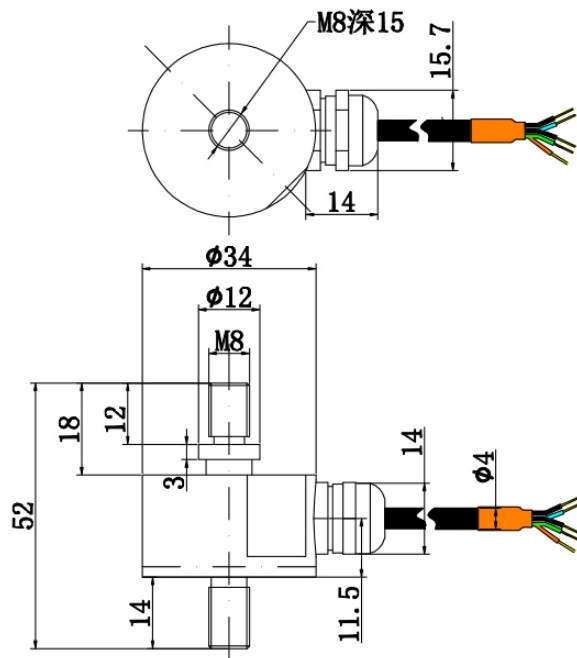


## 主要技术指标 Specification

|                       |                              |                             |                                      |
|-----------------------|------------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 5, 10, 20t                   | 绝缘阻抗Insulation resistance   | $\geq 5000M\Omega$                   |
| 灵敏度 Sensitivity       | $2.0 \pm 0.006mV/V$          | 工作温度范围Operating Temp Range  | $(-20 \sim +60)^{\circ}C$            |
| 综合误差Combined error    | $\pm 0.01\%F.S$              | 安全过载 Safe load limit        | 150%F.S                              |
| 蠕变 (30分钟) Creep/30min | $\pm 0.05\%F.S/30min$        | 极限过载 Ultimate overload      | 180%F.S                              |
| 零点平衡Zero balance      | $\pm 1\%F.S$                 | 推荐激励电压 Recommend excitation | 10~12V DC or AC                      |
| 零点温度影响TCO             | $\pm 0.02\% F.S/10^{\circ}C$ | 最大激励电压 Max excitation       | 15V DC or AC                         |
| 输出温度影响TC SPAN         | $\pm 0.02\%F.S/10^{\circ}C$  | 密封等级 Protection Class       | IP68                                 |
| 输入阻抗Input resistance  | $350 \pm 5\Omega$            | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | $350 \pm 5\Omega$            | 连接电缆 Cable                  | Length:30cm Diameter: $\Phi 6mm$     |

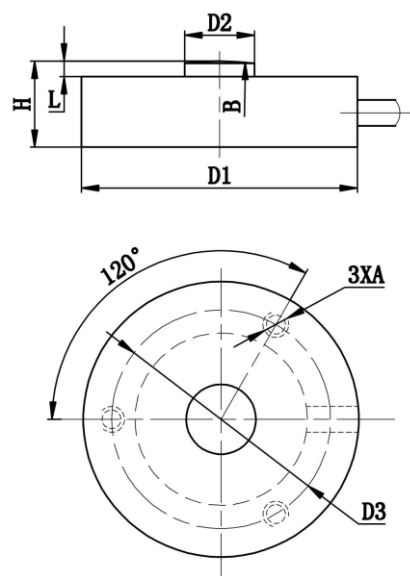


HWT01 Mainly applied in tension and compression testing instruments and automatic equipments fields, such as insertion force test instruments, lifting hook scales, riveting machine, welding machine, hot & cold lamination machine, feeling tester for keyboard switch, and etc.



|                       |                      |                             |                                      |
|-----------------------|----------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (Emax) | 50~100kg             | 绝缘阻抗Insulation resistance   | ≥ 5000M Ω                            |
| 灵敏度 Sensitivity       | 1.5~2.0mV/V          | 工作温度范围Operating Temp Range  | (-20~+80)°C                          |
| 综合误差Combined error    | ±0.03%F.S;±0.03 %F.S | 安全过载 Safe load limit        | 120%F.S                              |
| 蠕变（30分钟）Creep/30min   | ±0..1%F.S/30min      | 极限过载 Ultimate overload      | 150%F.S                              |
| 零点平衡Zero balance      | ±1%F.S               | 推荐激励电压 Recommend excitation | 5~15V DC or AC                       |
| 零点温度影响TCO             | ±0.05% F.S/10°C      | 最大激励电压 Max excitation       | 15V DC or AC                         |
| 输出温度影响TC SPAN         | ±0.05%F.S/10°C       | 密封等级 Protection Class       | Ip68                                 |
| 输入阻抗Input resistance  | 700±5 Ω              | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance | 700±3 Ω              | 连接电缆 Cable                  | Length:3m Diameter: Φ4mm             |

# HWT02



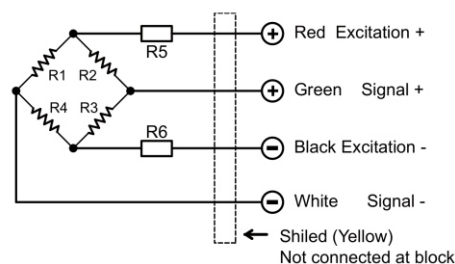
## HWT02 主要用空间小的压力测力场合

HWT02 Compression testing for small space

### 主要外形尺寸 Main Dimensions

| 额定载荷 (lb)<br>Rated load | D1 | D2  | D3   | H  | L   | A        | B    |
|-------------------------|----|-----|------|----|-----|----------|------|
| 200lb~1klb              | 32 | 8.1 | 25.4 | 10 | 1.8 | #6-32UNC | Sr35 |
| 3klb~10klb              | 38 | 11  | 31.4 | 16 | 2   | #6-32UNC | SR40 |

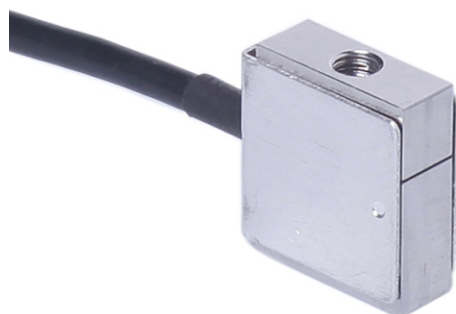
### 接线方式 Circuit Diagram



### 主要技术指标 Specification

|                                     |                 |                             |                                        |
|-------------------------------------|-----------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 300lb~10klb     | 绝缘阻抗 Insulation resistance  | ≥5000MΩ                                |
| 灵敏度 Sensitivity                     | 2.0±0.006mV/V   | 工作温度范围 Operating Temp Range | (-20~+60)°C                            |
| 综合误差 Combined error                 | ±0.01%F.S       | 安全过载 Safe load limit        | 150%F.S                                |
| 蠕变 (30分钟) Creep/30min               | ±0.05%F.S/30min | 极限过载 Ultimate overload      | 180%F.S                                |
| 零点平衡 Zero balance                   | ±1%F.S          | 推荐激励电压 Recommend excitation | 10~12V DC or AC                        |
| 零点温度影响 TCO                          | ±0.02% F.S/10°C | 最大激励电压 Max excitation       | 15V DC or AC                           |
| 输出温度影响 TC SPAN                      | ±0.02%F.S/10°C  | 密封等级 Protection Class       | IP68                                   |
| 输入阻抗 Input resistance               | 350±5Ω          | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 350±5Ω          | 连接电缆 Cable                  | Length:30cm Diameter: Φ6mm             |

# HWT06

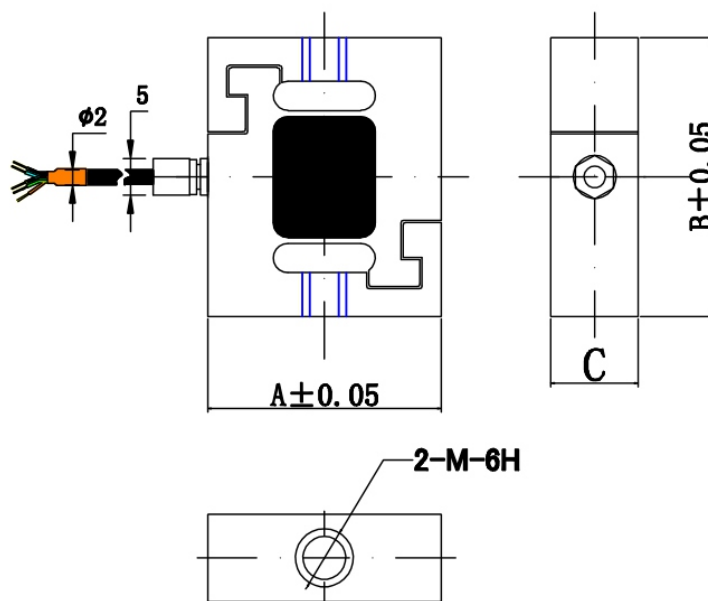
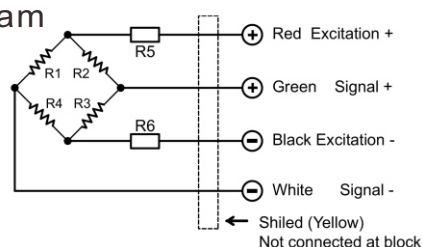


HWT06 按键手感度测试仪，冷热压机压力检测，机器人手抓力，自动锁螺丝机等安装空间小的力值检测领域。

HWT06 Force measurement in small space installation, such as feeling tester for keyboard switch, compression force measurement for hot and cold lamination machine, and grasping force measurement for robotic hands

## 接线方式

### Circuit Diagram

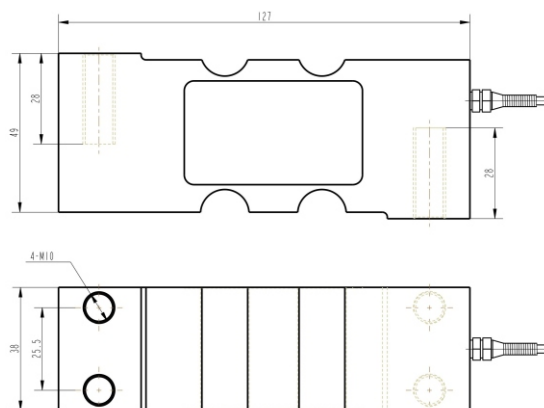
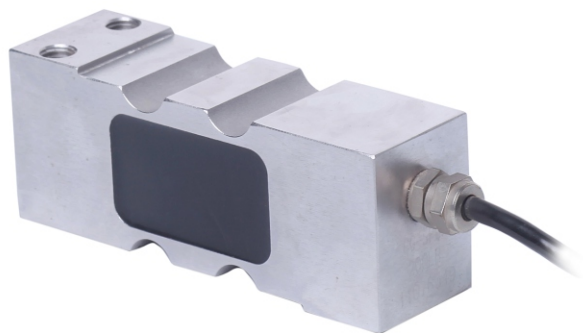


## 主要外形尺寸 Main Dimensions

| 额定载荷 (t)<br>Rated load | A  | B    | C  | M  | Weight |
|------------------------|----|------|----|----|--------|
| 100~500N               | 16 | 19.1 | 6  | M4 |        |
| 200N~2KN               | 26 | 40   | 12 | M8 |        |

## 主要技术指标 Specification

|                                     |                  |                             |                                        |
|-------------------------------------|------------------|-----------------------------|----------------------------------------|
| 额定载荷 Rated load (E <sub>max</sub> ) | 2N~2KN           | 绝缘阻抗 Insulation resistance  | ≥ 5000MΩ                               |
| 灵敏度 Sensitivity                     | 2.0±10% mV/V     | 工作温度范围 Operating Temp Range | (-20~+60)°C                            |
| 综合误差 Combined error                 | ±0.03% F.S       | 安全过载 Safe load limit        | 120% F.S                               |
| 蠕变 (30分钟) Creep/30min               | ±0.05% F.S/30min | 极限过载 Ultimate overload      | 150% F.S                               |
| 零点平衡 Zero balance                   | ±1% F.S          | 推荐激励电压 Recommend excitation | 10~12V DC                              |
| 零点温度影响 TCO                          | ±0.02% F.S/10°C  | 最大激励电压 Max excitation       | 15V DC                                 |
| 输出温度影响 TC SPAN                      | ±0.02% F.S/10°C  | 密封等级 Protection Class       | Ip68                                   |
| 输入阻抗 Input resistance               | 350±15Ω          | 材质 Material                 | 合金钢 Alloy steel<br>不锈钢 Stainless steel |
| 输出阻抗 Output resistance              | 350±3Ω           | 连接电缆 Cable                  | Length: 3m Diameter: Φ4mm              |

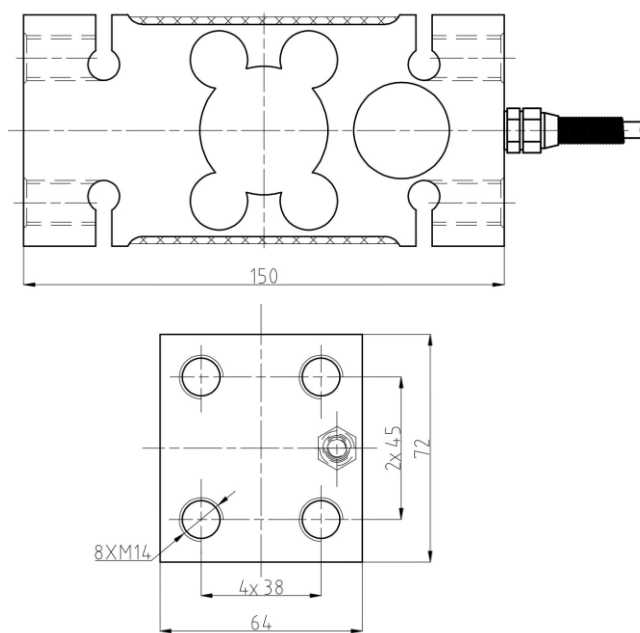
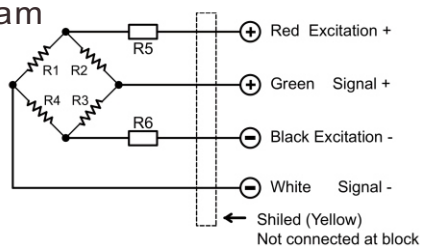


HXS01-A

**HXS01适用各种台秤、配料秤、包装秤、动态检测系统**

HXS01 Applied to axle scales, tank scales, storage scales, potted scales and dynamic detection system.

## 接线方式 Circuit Diagram



HXS01-B

## 主要技术指标 Specification

|                                    |                                    |                             |                                      |
|------------------------------------|------------------------------------|-----------------------------|--------------------------------------|
| 额定载荷Rated load (E <sub>max</sub> ) | 50,100,150,200,250,300,500kg,1t,2t | 绝缘阻抗Insulation resistance   | ≥5000MΩ                              |
| 灵敏度 Sensitivity                    | 2.0±0.2mV/V                        | 工作温度范围Operating Temp Range  | (-30~+70)°C                          |
| 综合误差Combined error                 | ±0.03%F.S                          | 安全过载 Safe load limit        | 120%F.S                              |
| 蠕变 (30分钟) Creep/30min              | ±0.02%F.S/30min                    | 极限过载 Ultimate overload      | 150%F.S                              |
| 零点平衡Zero balance                   | ±1%F.S                             | 推荐激励电压 Recommend excitation | 10~12V DC                            |
| 零点温度影响TCO                          | ±0.02% F.S/10°C                    | 最大激励电压 Max excitation       | 15V DC                               |
| 输出温度影响TC SPAN                      | ±0.02%F.S/10°C                     | 密封等级 Protection Class       | Ip68                                 |
| 输入阻抗Input resistance               | 400±15 Ω                           | 材质 Material                 | 合金钢Alloy steel<br>不锈钢Stainless steel |
| 输出阻抗Output resistance              | 350±3 Ω                            | 连接电缆 Cable                  | Length:3m Diameter: Φ5mm             |