



- HM11 load cells are available in the capacities 5kg~500kg.
- Alloy steel construction, welded with bellow, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with bellow, easy installation, suitable for crane scales, mechanical conversion scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

Features

- Capacity 5kg~500kg
- High accuracy
- Alloy steel construction
- Low profile

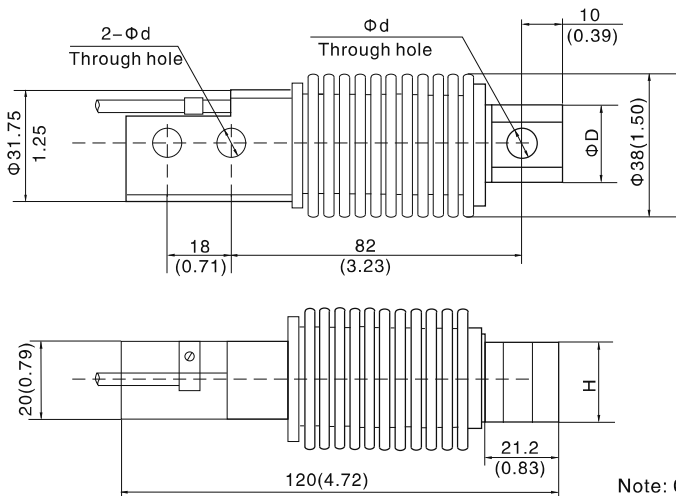
Accessories

- BM-11-401 • BM-11-402

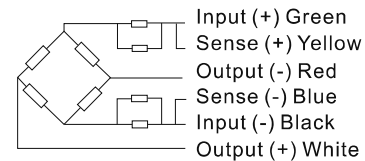
Specifications

| Capacity | kg | 5/10/20/30/50/100/200/250/300/350/500 | | | | | |
|--|------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Accuracy | | C2 | C3 | A5S | A5M | B10S | B10M |
| Maximum number of verification intervals | n _{max} | 2000 | 3000 | 5000 | 5000 | 10000 | 10000 |
| Minimum load cell verification interval | v _{min} | E _{max} /5000 | E _{max} /10000 | E _{max} /15000 | E _{max} /15000 | E _{max} /10000 | E _{max} /10000 |
| Combined error | (%FS) | ≤ ±0.030 | ≤ ±0.020 | ≤ ±0.018 | ≤ ±0.026 | ≤ ±0.035 | ≤ ±0.050 |
| Creep | (%FS/30min) | ≤ ±0.024 | ≤ ±0.016 | ≤ ±0.012 | ≤ ±0.017 | ≤ ±0.030 | ≤ ±0.040 |
| Temperature effect on sensitivity | (%FS/10°C) | ≤ ±0.017 | ≤ ±0.011 | ≤ ±0.009 | ≤ ±0.013 | ≤ ±0.030 | ≤ ±0.040 |
| Temperature effect on zero | (%FS/10°C) | ≤ ±0.023 | ≤ ±0.015 | ≤ ±0.010 | ≤ ±0.014 | ≤ ±0.030 | ≤ ±0.020 |
| Output sensitivity | (mv/v) | 2.0±0.02 | | | | | |
| Input resistance | (Ω) | 460±50 | | | | | |
| Output resistance | (Ω) | 351±2.0 | | | | | |
| Insulation resistance | (MΩ) | ≥5000(50VDC) | | | | | |
| Zero balance | (%FS) | 1.0 | | | | | |
| Temperature, compensated | (°C) | -10~+40 | | | | | |
| Temperature, operating | (°C) | -35~+65 | | | | | |
| Excitation, recommended | (V) | 5~12(DC) | | | | | |
| Excitation, max | (V) | 18(DC) | | | | | |
| Safe overload | (%FS) | 150 | | | | | |
| Ultimate overload | (%FS) | 300 | | | | | |

Outline Dimension mm(inch)



| Dimension | Capacity (kg) | |
|-----------|------------------------------|----------------|
| | 5,10,20,30,50 100,200,300 | 350,500 |
| d | 8.2 (0.32) | 10.3 (0.41) |
| D | 23 (0.91) | 24 (0.94) |
| H | 20 (0.79) | 19 (0.75) |



Wiring:

Both 4 and 6 conductor wires are available on customers' requirements.
Cable diameter: $\phi 5\phi 0.2\text{mm}$
Standard length for 4 conductor cable: 3m
Standard length for 6 conductor cable: 6m

Note: Connection of 6 conductor wires are as above.
For 4 conductor wires the yellow and blue sense wires are removed.