# H6F

## FEATURES

- Nickel plated alloy steel IP66 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Maximum platform size: for 50kg-200kg: 400 x 400 mm for 250kg-500kg: 600 x 800 mm for 750kg-2t: 1200 x 1200 mm



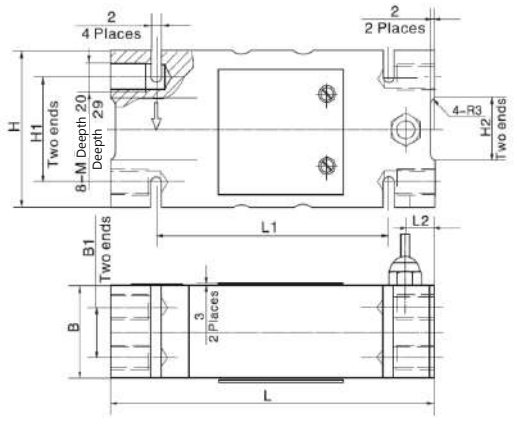

## AVAILABLE MODELS

| Capacity | Accuracy | Full article description |
|---|---|---|
| 100 kg | C3 | H6F-C3-100kg-3B6 |
| 150 kg | C3 | H6F-C3-150kg-3B6 |
| 200 kg | C3 | H6F-C3-200kg-3B6 |
| 250 kg | C3 | H6F-C3-250kg-3B6 |
| 500 kg | C3 | H6F-C3-500kg-3B6 |
| 750 kg | C3 | H6F-C3-750kg-3B6 |
| 1000 kg | C3 | H6F-C3-1000kg-3B6 |
| 2000 kg | C3 | H6F-C3-2000kg-3B6 |

## SPECIFICATION

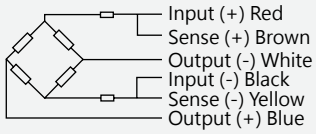
| | | | | |
|---|---|---|---|---|
| Accuracy class | | C3 | | |
| Output sensitivity (=FS) | mV/V | 2.0 ± 0.2 | | |
| Maximum capacity ($E_{max}$) | kg | 100/150/200/250/500/750/1000/2000 | | |
| Maximum number of load cell intervals (nLC) | | 3000 | | |
| Ratio of minimum LC verification interval Y=$E_{max}$ / $V_{min}$ | | 7500 | | |
| Combined error | %FS | ± 0.020 | | |
| Minimum dead load | %FS | 0 | | |
| Safe overload | %FS | 150 | | |
| Ultimate overload | %FS | 300 | | |
| Zero balance | %FS | ± 1.0 | | |
| Excitation, recommended voltage | V | 5 ~ 12 (DC) | | |
| Excitation maximum | V | 18 (DC) | | |
| Input resistance | Ω | 400 ± 20 | | |
| Output resistance | Ω | 351 ± 2 | | |
| Insulation resistance | MΩ | ⩾ 5000 (50VDC) | | |
| Compensated temperature | ℃ | -10 ~+40 | | |
| Operating temperature | ℃ | -35 ~ +65 | | |
| Storage temperature | ℃ | -40 ~ +70 | | |
| Element material | | Nickel plated alloy steel | | |
| Ingress protection (according to EN 60529) | | IP66 | | |
| Recommended torque on fixation | N.m | M12:75 (Below 500kg) | M16:200 (750kg-2000kg) | |
| ATEX classification (optional) | | II1G Ex ia IIC T4 | II1D Ex iaD 20 T73°C | II3G Ex nL IIC T4 |
| Note: "S1" output sensitivity is 2.0±0.002mV/V,input resistance is 384±4 | | | | |

## DIMENSIONS IN MM




| Dimension / Capacity | 50kg - 200kg | 250kg - 500kg | 750kg - 2t |
|---|---|---|---|
| B | 44 (1.73) | 60 (2.36) | 76 (2.99) |
| B1 | 24 (0.94) | 36 (1.42) | 46 (1.81) |
| H | 75 (2.95) | 95 (3.74) | 125 (4.92) |
| H1 | 50 (1.97) | 70 (2.76) | 95 (3.74) |
| H2 | 30 (1.18) | 30 (1.18) | 65 (2.56) |
| L | 156 (6.14) | 146 (5.75) | 176 (6.93) |
| L1 | 112 (4.4) | 110 (4.33) | 110 (4.33) |
| L2 | 14 (0.55) | 11 (0.43) | 24 (0.94) |
| M | M12 | M12 | M16 |

## WIRING




- Shielded, 6 conductor cable.
- Cable diameter: Φ 6.2mm
- Standard cable length: 3m
- Shield is not connected to element