

# B6F

- Stainless steel IP67 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



OIML test certificate no. TC7867 Revision 0 C of C no R60/2000–NL1–10.31

### Available models

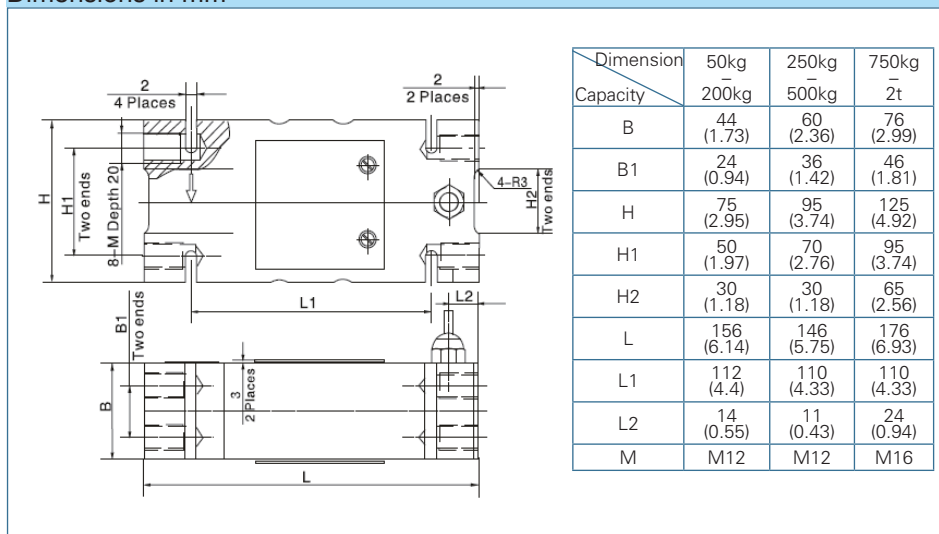
| Capacity | Accuracy        | Full article description |
|----------|-----------------|--------------------------|
| 100 kg   | C3 not approved | B6F–C3–100kg–3B6         |
| 150 kg   | C3 not approved | B6F–C3–150kg–3B6         |
| 200 kg   | C3 not approved | B6F–C3–200kg–3B6         |
| 250 kg   | C3 not approved | B6F–C3–250kg–3B6         |
| 500 kg   | C3              | B6F–C3–500kg–3B6         |
| 750 kg   | C3              | B6F–C3–750kg–3B6         |
| 1000 kg  | C3              | B6F–C3–1000kg–3B6        |
| 2000 kg  | C3              | B6F–C3–2000kg–3B6        |

### Specification

| Accuracy class  |                     | C3                    |                      | OIML R60 C3             |  |
|---|---------------------|-----------------------|----------------------|-------------------------|--|
|   |                     | 2.0 ± 0.2             |                      |                         |  |
| Output sensitivity ( = FS )   | mV/V                | 2.0 ± 0.2             |                      |                         |  |
| Maximum capacity ( E <sub>max</sub> )   | 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 <sub>max</sub> / v <sub>min</sub> |                     | 10000                 |                      |                         |  |
| Combined error  | %FS                 | ± 0.023               |                      |                         |  |
| Safe overload   | of E <sub>max</sub> | 150 %                 |                      |                         |  |
| Ultimate overload   | of E <sub>max</sub> | 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                   | 350 ± 3.5             |                      |                         |  |
| Insulation resistance   | MΩ                  | ≥ 5000 ( 50VDC )      |                      |                         |  |
| Compensated temperature   | °C                  | –10 ~ +40             |                      |                         |  |
| Operating temperature   | °C                  | –35 ~ +65             |                      |                         |  |
| Storage temperature   | °C                  | –40 ~ +70             |                      |                         |  |
| Element material  |                     | Stainless steel       |                      |                         |  |
| Ingress protection (according to EN 60529)  |                     | IP67                  |                      |                         |  |
| 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



### Wiring

