# B6Q

- Stainless/ alloy steel IP67 single point load cell
- Suitable for platform, belt and other electronic scales
- Maximum platform size: 400 mm x 400 mm



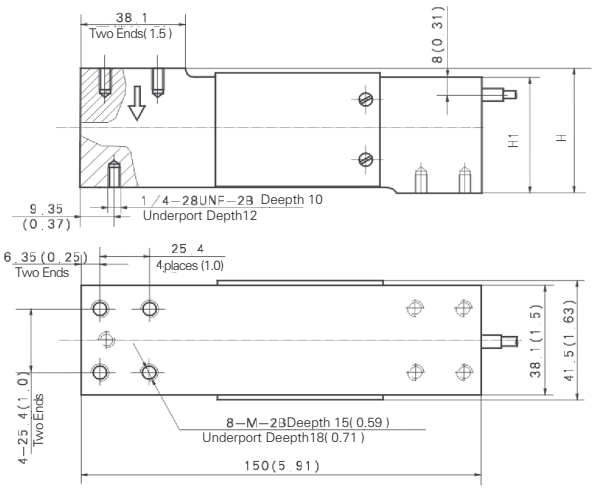

## Available models

| Capacity | Accuracy | Full article description |
|---|---|---|
| xxkg | C3 | B6Q–C3–xxkg–1.5B6 |
| xxkg | C3 | B6Q–C3–xxkg–1.5B6–S1 |
| xxkg | C3 | B6Q–C3–xxkg–1.5YB6 |
| xxkg | C3 | B6Q–C3–xxkg–1.5YB6–S1 |

## Specification

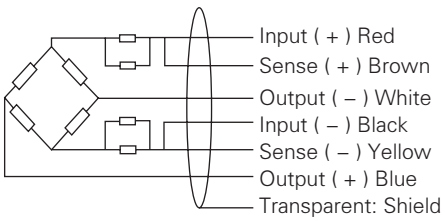
| | | | | |
|---|---|---|---|---|
| Maximum capacity ( $E_{max}$ ) | kg | 50/100/150/200/250 | | |
| Accuracy class | | C3 | | |
| Maximum number of load cell intervals ( nLC ) | | 3000 | | |
| Ratio of minimum LC verification interval Y = $E_{max}$ / $v_{min}$ | | 10000 | | |
| Combined error | %FS | ± 0.020 | | |
| Creep | %FS/30min | ± 0.016 | | |
| Temperature effect on sensitivity | %FS/10℃ | ± 0.011 | | |
| Temperature effect on zero | %FS/10℃ | ± 0.015 | | |
| Output sensitivity ( = FS ) | mV/V | 2.0 ± 0.2 | | |
| Input resistance | Ω | 400 ± 20 | | |
| Output resistance | Ω | 351 ± 2.0 | | |
| Insulation resistance | MΩ | ⩾ 5000 (50VDC) | | |
| Zero balance | %FS | ± 1.5 | | |
| Compensated temperature | ℃ | –10~+40 | | |
| Operating temperature | ℃ | –35~+65 | | |
| Excitation, recommended voltage | V | 5~12 (DC) | | |
| Excitation maximum | V | 18 (DC) | | |
| Safe overload | %FS | 150 | | |
| Ultimate overload | %FS | 300 | | |
| Corner correction | | 0.02%load value/100mm | | |
| Recommended torque on fixation | N.m | 10 | | |
| ATEX classification (optional) | | II1G Ex ia IIC T4 | II1D Ex iaD20 T73℃ | II3G Ex nL II C T4 |
| Note: "S1" output sensitivity is 2.0 ± 0.002mV/V, input resistance is 384 ± 4 | | | | |

## Dimensions in mm




| Dimension / Capacity | H | H1 | M |
|---|---|---|---|
| 50kg | 38 (1.5) | 36 (1.42) | M6–6H |
| 100kg~250kg | 39.9 (1.57) | 38 (1.5) | 1/4–20UNC–2B |
| 50 kg without 1/4–28UNF–2B threaded hole | | | |

## Wiring




- Adopt shielded, 4 conductor cable: Φ5.0mm
- Standard cable length: 1.5m