# L6N



- Aluminium–alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 400 x 400 mm

test certificate no. D09–06.11 Revision 1
C of C no R60/2000–CN1–06.04

Certificate no. 11–055

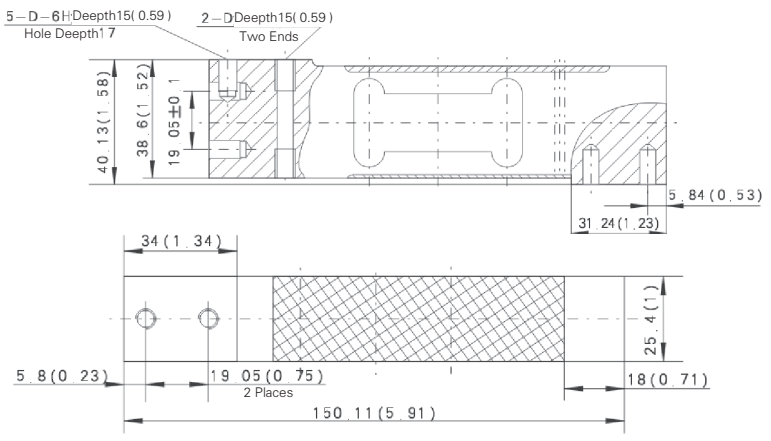
**Available models**

| | | |
|---|---|---|
| 3kg–100kg | Cx | L6N–Cx–xxkg–3B6/3YB6 |

## Specification

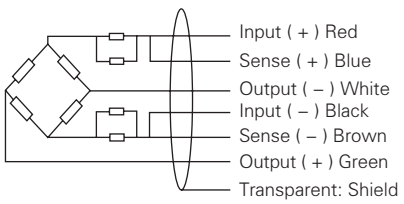
| | | | | |
|---|---|---|---|---|
| Maximum capacity ( $E_{max}$ ) | kg | 3/5/8/10/15/20/30/40/50/75/100 | | |
| Output sensitivity ( = FS ) | mV/V | 2.0 ± 0. 2 | | |
| Accuracy class | | C3 | C4 | C5 |
| Combined error | %FS | ± 0.02 | ± 0.015 | ± 0.01 |
| Creep | %FS/30min | ± 0.0167 | ± 0.0125 | ± 0.01 |
| Temperature effect on sensitivity | %FS/10℃ | ± 0.0175 | ± 0.0131 | ± 0.01 |
| Temperature effect on zero | %FS/10℃ | ± 0.02 | ± 0.012 | ± 0.009 |
| Zero balance | %FS | ± 2 | | |
| Compensated temperature | ℃ | –10 ~ 40 | | |
| Operating temperature | ℃ | –35 ~ +65 | | |
| Input resistance | Ω | 406 ± 6 | | |
| Output resistance | Ω | 350 ± 3 | | |
| Insulation resistance | MΩ | ⩾ 5000 ( 50VDC ) | | |
| Excitation, recommended voltage | V | 5 ~ 12(DC) | | |
| Excitation maximum | V | 18(DC) | | |
| Safe overload | %FS | 120 | | |
| Ultimate overload | %FS | 150 | | |
| Protection Class | | IP65 | | |
| Cable Specifications | mm | ϕ 4.8 | | |
| Cable Length | m | 3 | | |
| Recommended installation size | mm | 400 × 400 | | |
| Corner correction | | 0.02%load value/100mm | | |
| Recommended torque on fixation | N.m | 10 | | |

## Dimensions in mm




| D | Metric | Imperial |
|---|---|---|
| | M6 × 1 | 1/4–20UNC–2B |

## Wiring




- Shielded, 6 conductor cable.
- Cable Diameter: Φ4.8mm
- Standard cable length: 3m
- Shield not connected to element.
- Cable jacket is PVC.