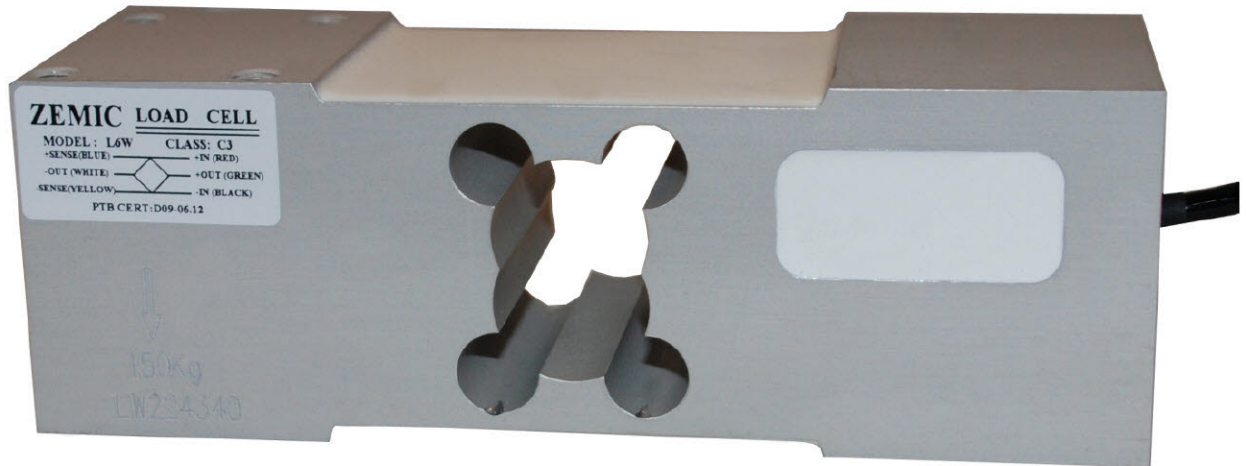


# Type L6W Load Cell



## Short description



- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single and double load cell structured platform scales.
- Maximum platform size:  
for 50kg-200kg: 600 x 600 mm  
for 250kg-635kg: 600 x 800 mm

 test certificate no. D09-06.12 Revision 0  
C of C no R60/2000-CN1-06.03

 Certificate no. 12-006

## Available models

| Capacity | Accuracy | Full article description |
|----------|----------|--------------------------|
| 50kg     | C3       | L6W-C3-50kg-3G6          |
| 70kg     | C3       | L6W-C3-70kg-3G6          |
| 100kg    | C3       | L6W-C3-100kg-3G6         |
| 150kg    | C3       | L6W-C3-150kg-3G6         |
| 200kg    | C3       | L6W-C3-200kg-3G6         |
| 250kg    | C3       | L6W-C3-250kg-3G6         |
| 300kg    | C3       | L6W-C3-300kg-3G6         |
| 500kg    | C3       | L6W-C3-500kg-3G6         |
| 635kg    | C3       | L6W-C3-635kg-3G6         |

# Type L6W Load Cell

## Detailed specifications L6W

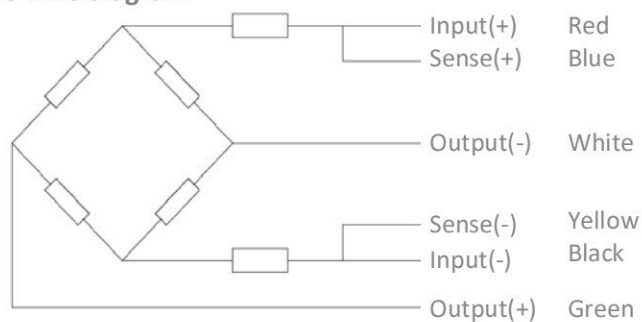
|  |                         |                                    |          |
|--|-------------------------|------------------------------------|----------|
| Accuracy class                         |                         | OIML R60 C3                        |          |
| Output sensitivity ( = FS )            | mV/V                    | 2.0 ± 0.2                          |          |
| Maximum capacity ( E <sub>max</sub> )  | kg                      | 50, 75, 100, 150, 200, 250,<br>300 | 500, 635 |
| Max.number of load cell intervals      | n <sub>LC</sub>         | 3000                               |          |
| Ratio of min. LC verification interval | $Y = E_{max} / v_{min}$ | 7000                               | 10000    |
| Combined Error                         | %FS                     | ± 0.0230                           |          |
| Minimum dead load                      | Of E <sub>max</sub>     | 0%                                 |          |
| Safe overload                          | of E <sub>max</sub>     | 150 %                              |          |
| Ultimate overload                      | of E <sub>max</sub>     | 300 %                              |          |
| Zero balance                           | of FS                   | < ± 1.0 %                          |          |
| Excitation, recommended voltage        | V                       | 5 ~ 12                             |          |
| Excitation maximum                     | V                       | 18                                 |          |
| Input resistance                       | Ω                       | 406 ± 6                            |          |
| Output resistance                      | Ω                       | 350 ± 3                            |          |
| Insulation resistance                  | MΩ                      | ≥5000 ( at 50VDC )                 |          |
| Compensated temperature                | °C                      | -10 ~ +40                          |          |
| Operating temperature                  | °C                      | -35 ~ +65                          |          |
| Storage temperature                    | °C                      | -40 ~ +70                          |          |
| Element material                       |                         | Aluminium                          |          |
| Ingress Protection (acc. to EN 60529)  |                         | IP65                               |          |
| Recommended torque on fixation         | Nm                      | M8: 25                             |          |

## Wiring

### Wiring:

Shielded, 6 conductor cable.  
 Cable diameter: Ø4.7mm.  
 Standard cable length: 3m.  
 Shield connected to element.  
 Cable jacket in PU.

### 6-wire diagram



# Type L6W Load Cell

Dimensions in mm

