# OFF CENTER LOAD CELL TYPE L6W

## APPLICATIONS:

- L6W are available in the capacities 50Kg – 635Kg
- Aluminium construction with parallel beam
- Silicon adhesive sealed, surface anodized and anti-corrosion
- Integral structure and easy installation
- Suitable for electronic balance and other electronic weighing devices

## MAIN FEATURES:

- High accuracy
- OIML Certificates n.: R60/2000-CNI-06.03
- PTB approval No.: D09-06.12

**NOMINAL LOAD:** Kg: 50-75-100-150-200-250-300-500-635

| SPECIFICATION ACCORDING TO VDI/VDE 2637 | | | |
|---|---|---|---|
| **METROLOGICAL CHARACTERISTICS** | **Par.** | **Un.** | |
| NOMINAL LOAD | Ln | Kg | 50÷635 |
| INITIAL LOAD | Lp | %Ln | 20 |
| COMBINED ERROR | (%FS) | | ?±0,020 |
| MAXIMUM LOAD | Ll | %Ln | 150 |
| CREEP-30 MINUTES | Fcr | %Ln | ?±0,0167 |
| NOMINAL TEMPERATURE RANGE | Btn | °C | -10+40 |
| ZERO TEMPERATURE DRIFT (OVER 10 °C) | TK0 | %Cn | ?±0,0175 |
| OUTPUT TEMPERATURE DRIFT (OVER 10 °C) | TKC | %Cn | ?±0,020 |
| THERMAL GRADIENT | | °K/h | <5 |
| **ELECTRICAL DATA** | | | |
| NOMINAL OUTPUT | Cn | mV/V | 2 |
| NOMINAL OUTPUT TOLERANCE | Dc | ±%Cn | 5 |
| NOMINAL SUPPLY VOLTAGE | Bsu | V | 0,5÷12 |
| MAXIMUM SUPPLY VOLTAGE | Usmax | V | 18 |
| INPUT RESISTANCE | Re | Ω | 406±6% |
| OUTPUT RESISTANCE | Ra | Ω | 350±3% |
| INSULATION RESISTANCE @ 20V | Ris | MΩ | >5000 |
| ZERO OUTPUT TOLERANCE | Do | ±%Cn | ±2 |
| **MECHANICAL DATA** | | | |
| BREAKING LOAD | Ld | %Ln | 300 |
| MAXIMUN SIDE LOAD | Llq | %Ln | 100 |
| DEFLECTION | hn | mm | <1 |
| CABLE LENGTH | | mm | |
| WEIGHT | | Kg | |
| **ENVIRONMENTAL CONDITIONS** | | | |
| WORKING TEMPERATURE RANGE | Btn | °C | -20+65 |
| STORAGE TEMPERATURE RANGE | Bts | °C | -50+85 |
| HOUSING PROTECTION | | | IP-65 |

SUBJECT TO CHANGE WITHOUT NOTICE

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**OUTLINE DIMENSIONS IN mm:**

- Dimensions and specifications are subject to change without notice.

**Wiring:**
- Adopt a shielded, 6 conductor cable, and cable jacket is PU.
- Cable length: 3±0.1m.
- Cable diameter: 4.7±0.2mm.
- The shield is connected to the element.

| CAPACITY Kg | ACCURACY | PART-NUMBER |
|---|---|---|
| 50 | C3 | L6W-C3-50Kg-3G6 |
| 70 | C3 | L6W-C3-70Kg-3G6 |
| 100 | C3 | L6W-C3-100Kg-3G6 |
| 150 | C3 | L6W-C3-150Kg-3G6 |
| 200 | C3 | L6W-C3-200Kg-3G6 |
| 250 | C3 | L6W-C3-250Kg-3G6 |
| 300 | C3 | L6W-C3-300Kg-3G6 |
| 500 | C3 | L6W-C3-500Kg-3G6 |
| 635 | C3 | L6W-C3-635Kg-3G6 |