

QL-12B-2 load cells are available in the capacities from 100kg to 500kg.

Alloy aluminum construction with parallel beam type.

Silicon adhesive sealed, surface anodized and anti-corrosion.

Integral structure and easy installation.

Suitable for electronic counting scales, platform scales, electronic balance and other electronic weighing devices.



### Features:

Capacity : 100kg to 500kg

Defend grade: IP65

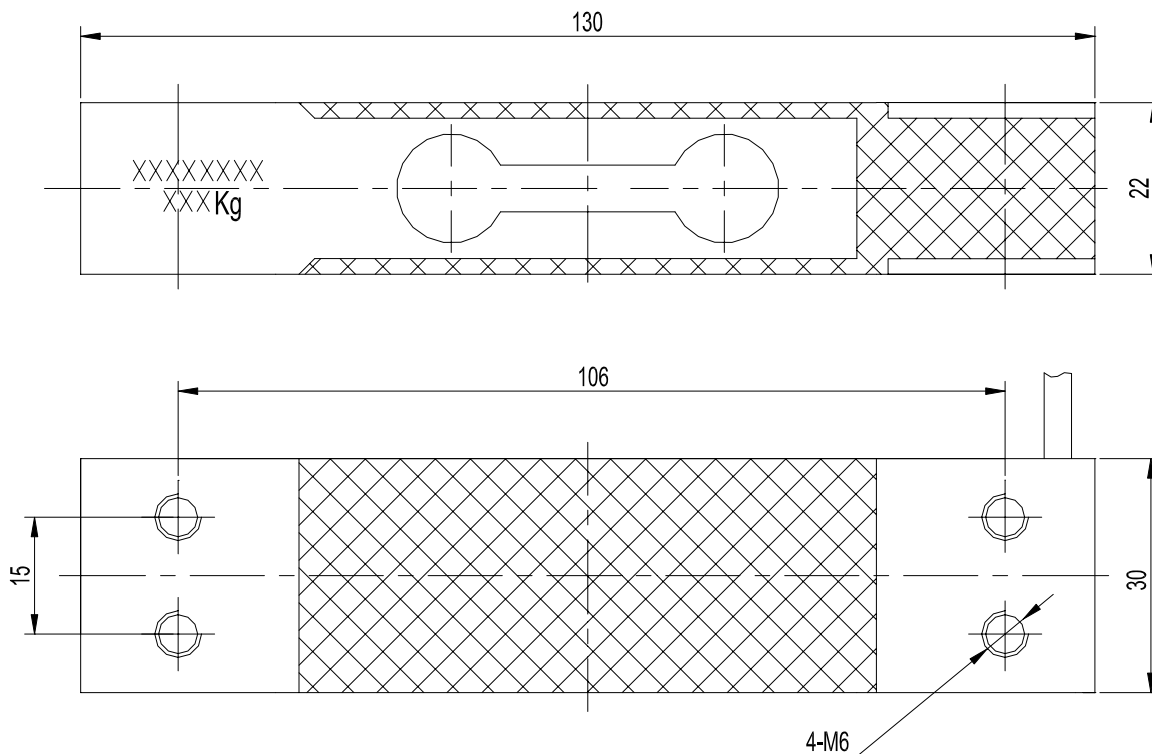
High accuracy.

Alloy aluminum parallel beam

Max. platform size: 400x400mm

Integral structure, reliable performance, and easy installation

### Electrical connection and Dimensions:



### Technical Specifications

| Specifications:                 |                           |                              |
|---------------------------------|---------------------------|------------------------------|
| capacity                        | kg                        | 100,150,200,250,300,500      |
| safe overload                   | %FS                       | 120                          |
| ultimate overload               | %FS                       | 150                          |
| rated output                    | mV/V                      | $2.0 \pm 0.2$                |
| excitation voltage              | Vdc                       | 9 ~ 12                       |
| combined error                  | %FS                       | $\pm 0.02$                   |
| zero unbalance                  | %FS                       | $\pm 2$                      |
| non-linearity                   | %FS                       | $\pm 0.02$                   |
| hysteresis                      | %FS                       | $\pm 0.02$                   |
| repeatability                   | %FS                       | $\pm 0.01$                   |
| creep                           | %FS/30min                 | $\pm 0.02$                   |
| input resistance                | $\Omega$                  | $406 \pm 10$                 |
| output resistance               | $\Omega$                  | $350 \pm 3$                  |
| insulation resistance           | M $\Omega$                | $\geq 5000 @ 50 \text{ Vdc}$ |
| operating temperature range     | $^{\circ}\text{C}$        | -20 ~ +60                    |
| compensated temperature range   | $^{\circ}\text{C}$        | -10 ~ +40                    |
| temperature coefficient of SPAN | %FS/ $10^{\circ}\text{C}$ | $\pm 0.02$                   |
| temperature coefficient of ZERO | %FS/ $10^{\circ}\text{C}$ | $\pm 0.03$                   |

### Electrical connection:

Excitation+ red      Excitation- black      Signal+ green      Signal- white

Four-core shielded cable with polyethylene. Cable is not connected with elastomer.

Cable length: 3 m

Cable diameter :  $5 \pm 0.2 \text{ mm}$

The cable length could be chose by customer's application.