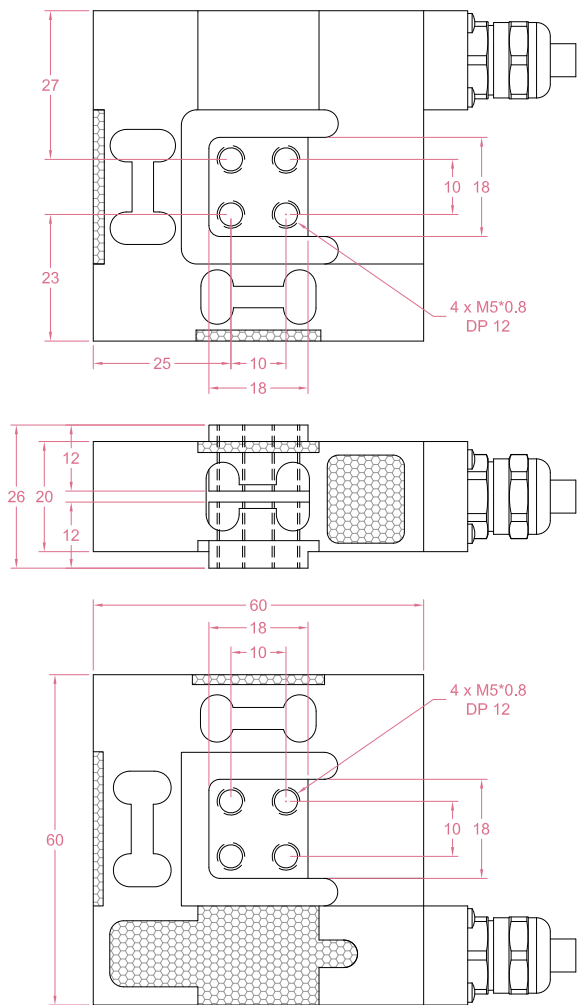


Dimensions in "mm"



Order example:

2 x LCM02 - 500N

Quantity

Model

Capacity  
(Fx=Fy=Fz)

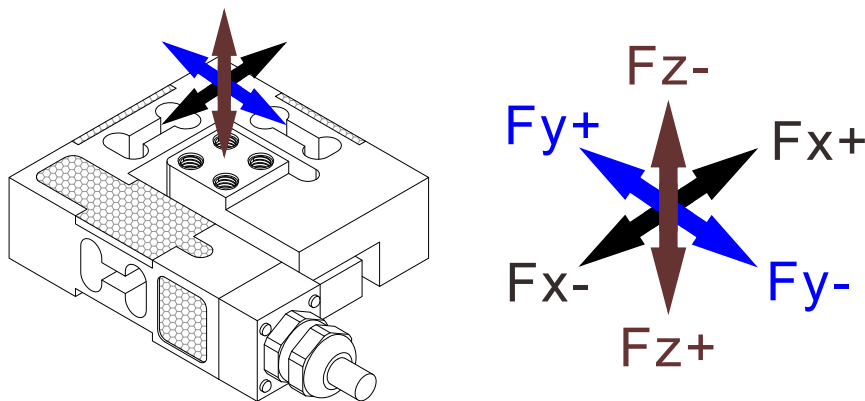
Email to [sales@loadcellsensor.com](mailto:sales@loadcellsensor.com) for a quote

| Specifications   |                                       |                       |                  |
|------------------|---------------------------------------|-----------------------|------------------|
| Rated Capacity   | Fx=Fy=Fz=100/200/300/500/1000 N       |                       |                  |
| Rated Output     | 1.0 mV/V                              | Compensated Temp.     | 0...+40°C        |
| Excitation       | 3~12V                                 | Operating Temp.       | -10...+60°C      |
| Zero Balance     | ±0.05 mV/V                            | Temp. Coeff. of Zero  | ±0.03% F.S./°C   |
| Nonlinearity     | ±0.2% F.S.                            | Temp. Coeff. of Span  | ±0.02% F.S./°C   |
| Hysteresis       | ±0.2% F.S.                            | Input Resistance      | 385±30 Ohms      |
| Nonrepeatability | ±0.1% F.S.                            | Output Resistance     | 352±10 Ohms      |
| Creep(3min)      | ±0.2% F.S.                            | Insulation Resistance | >2000M Ohms(50V) |
| Safe Load Limit  | 150% F.S.                             | IP Rating             | IP62             |
| Breaking Load    | 200% F.S.                             | Element Material      | Stainless steel  |
| Cable            | Ø6*3000mm 12-conductor shielded cable |                       |                  |

• LCS reserves the right to modify its design and specifications without notice

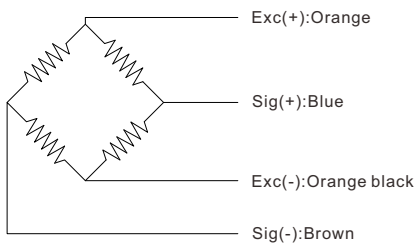
P:1/2

Load direction

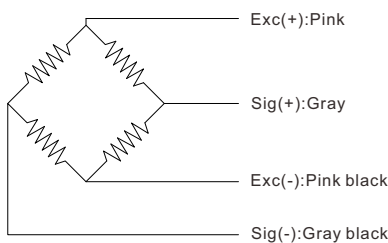


Wiring Code

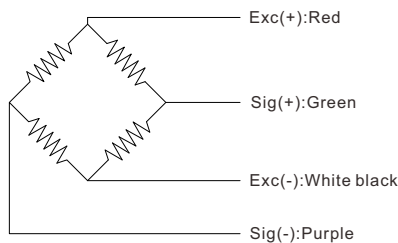
X-axis



Y-axis



Z-axis



Shield is NOT connected to the sensor body

Sensor/Amplifier/Indicator

| Items                                | Power supply        | Output/Function                                                                             |
|--------------------------------------|---------------------|---------------------------------------------------------------------------------------------|
| LCM02                                | 3-12V<br>(Constant) | -12mV...+12mV<br>(Depending on the power supply)                                            |
| LCM02<br>+<br>Analog amplifier       | 12~24V DC           | 0-3.3V,0-5V,0-10V,0-2.5-5V,0-5-10V<br>-3.3-3.3V,-5-5V,-10-10V<br>0-20mA,4-20mA,4-12-20mA... |
| LCM02<br>+<br>Digital amplifier      | 12~24V DC           | RS485 or RS232 output                                                                       |
| Email us for datasheet of amplifiers |                     |                                                                                             |