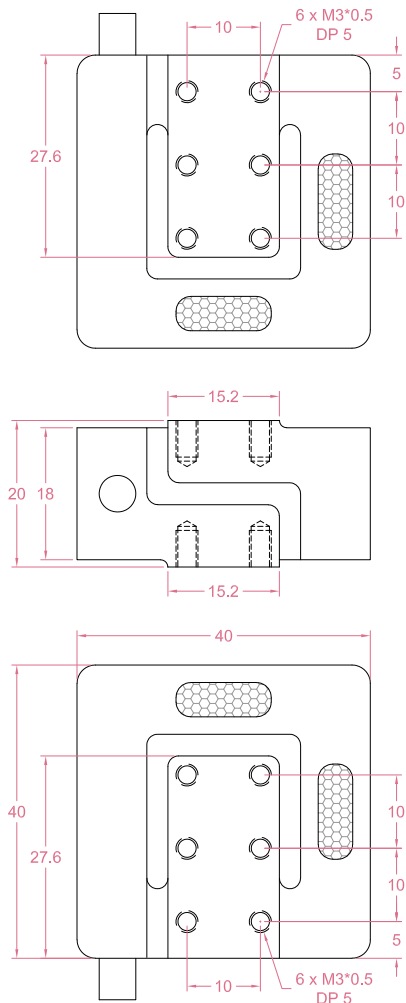


Dimensions in “mm”



Order example:

2 x LCM09 - 10kg - A

Quantity      Model      Capacity (Fx=Fy=Fz)      A: Aluminum  
S: Stainless steel

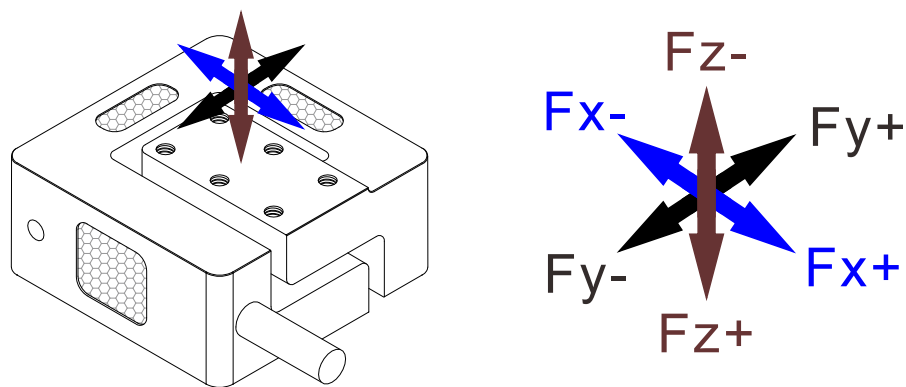
Email to [sales@loadcellsensor.com](mailto:sales@loadcellsensor.com) for a quote

| Specifications   |                                                                            |                       |                                                        |
|------------------|----------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|
| Rated Capacity   | Aluminum: Fx=Fy=Fz=5/10/20 kg<br>Stainless steel: Fx=Fy=Fz=10/20/50/100 kg |                       |                                                        |
| Rated Output     | 1.0 mV/V                                                                   | Compensated Temp.     | 0...+40°C                                              |
| Excitation       | 3~15V                                                                      | Operating Temp.       | -10...+60°C                                            |
| Zero Balance     | ±0.1 mV/V                                                                  | Temp. Coeff. of Zero  | ±0.03% F.S./°C                                         |
| Nonlinearity     | ±0.3% F.S.                                                                 | Temp. Coeff. of Span  | ±0.02% F.S./°C                                         |
| Hysteresis       | ±0.3% F.S.                                                                 | Input Resistance      | 1000±100 Ohms                                          |
| Nonrepeatability | ±0.1% F.S.                                                                 | Output Resistance     | 1000±100 Ohms                                          |
| Creep(2min)      | ±0.3% F.S.                                                                 | Insulation Resistance | >2000M Ohms(50V)                                       |
| Safe Load Limit  | 150% F.S.                                                                  | IP Rating             | IP62                                                   |
| Breaking Load    | 200% F.S.                                                                  | Element Material      | 5/10/20kg: Aluminum<br>10/20/50/100kg: Stainless steel |
| Cable            | Ø5*3000mm 12-conductor shielded cable                                      |                       |                                                        |

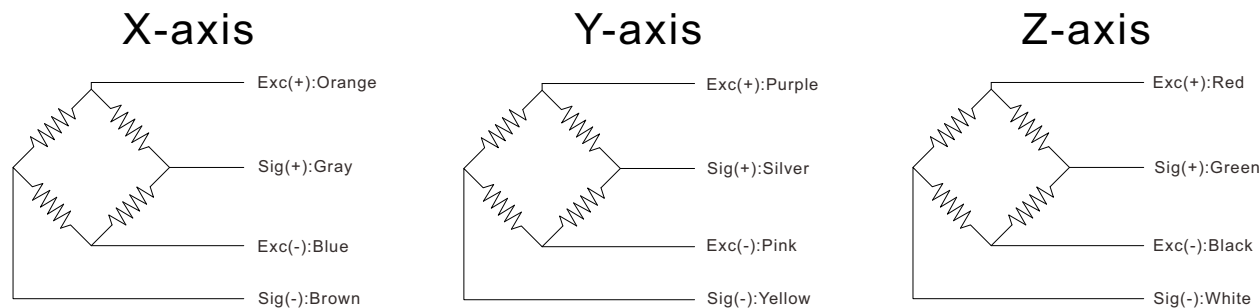
• LCS reserves the right to modify its design and specifications without notice

P:1/2

Load direction



Wiring Code



Shield is NOT connected to the sensor body

Sensor/Amplifier/Indicator

| Items                                | Power supply        | Output/Function                                                                             |
|--------------------------------------|---------------------|---------------------------------------------------------------------------------------------|
| LCM09                                | 3-15V<br>(Constant) | -15mV...+15mV<br>(Depending on the power supply)                                            |
| LCM09<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... |
| LCM09<br>+<br>Digital amplifier      | 12~24V DC           | RS485 or RS232 output                                                                       |
| Email us for datasheet of amplifiers |                     |                                                                                             |