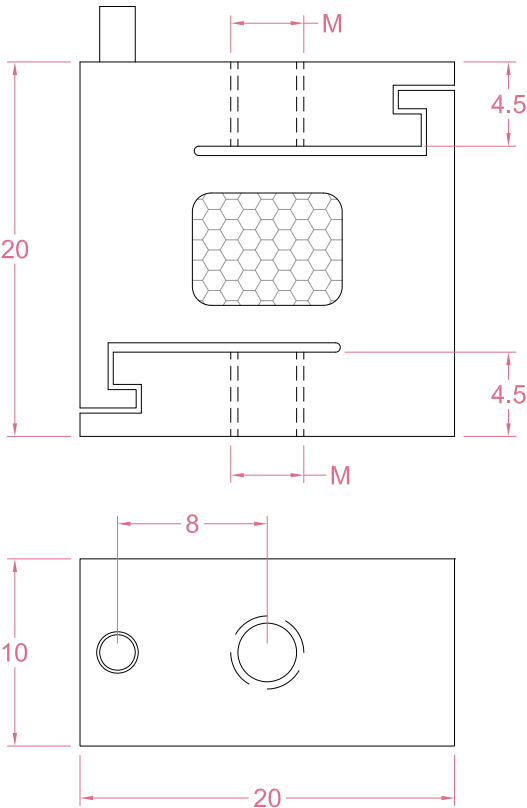
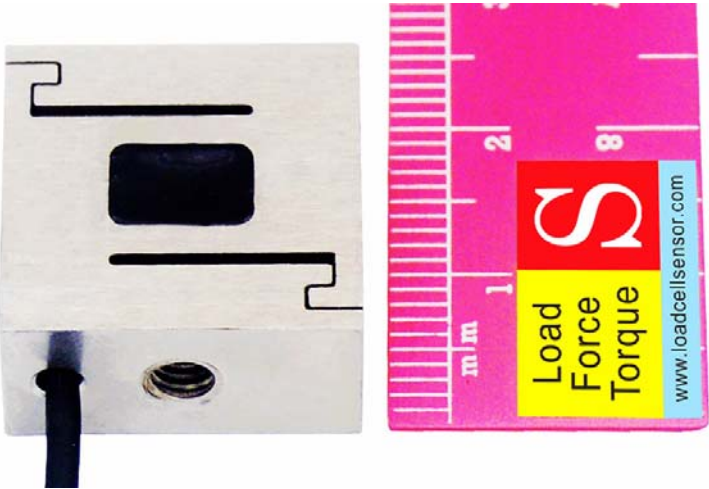




| Capacity               | M      |
|------------------------|--------|
| 10/20/50/100kg         | M4*0.7 |
| 10/20/50/100/150/200kg | M6*1   |



Order example:  
2 x LCS16 -50kg- M4

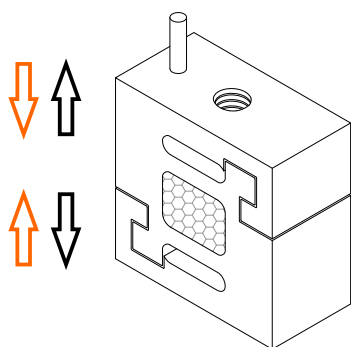
|          |       |          |          |
|----------|-------|----------|----------|
| Quantity | Model | Capacity | M4<br>M6 |
|----------|-------|----------|----------|

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

| Specifications   |                                        |                       |                  |
|------------------|----------------------------------------|-----------------------|------------------|
| Rated Capacity   | 10/20/50/100/150/200 kg                |                       |                  |
| Rated Output     | 2.0 mV/V                               | Compensated Temp.     | 0...+40°C        |
| Excitation       | 3~12V                                  | Operating Temp.       | -20...+60°C      |
| Zero Balance     | ±0.1 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      | 350±30 Ohms      |
| Nonrepeatability | ±0.1% F.S.                             | Output Resistance     | 350±5 Ohms       |
| Creep(5min)      | ±0.05% 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            | Ø1.9*1000mm 4-conductor shielded cable |                       |                  |

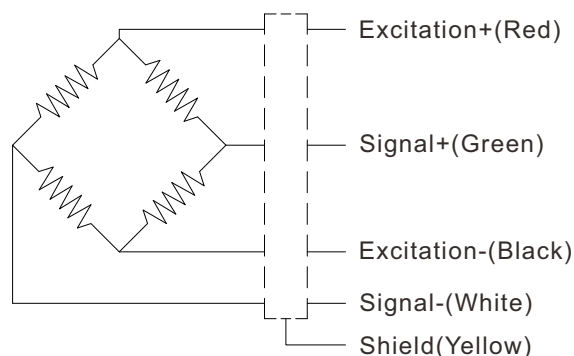
• LCS reserves the right to modify its design and specifications without notice

## Load direction



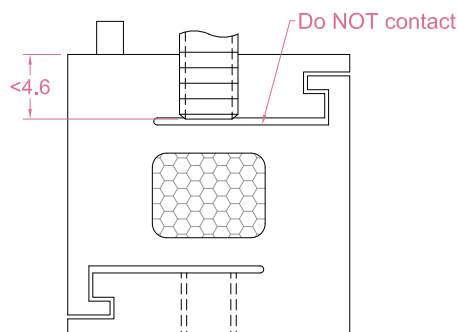
M4 version: Tension up to 50kg  
M6 version: Tension up to 100kg

## Wiring Code@Compression



Shield is NOT connected to the sensor body

## Precautions



The mounting depth of the bolt is recommended to be less than 4.6mm to keep distance from the “Do NOT contact” surface. Same for both sides.

## Sensor/Amplifier/Indicator

| Items                                             | Power supply        | Output/Function                                                                                                 |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| LCS16                                             | 3-12V<br>(Constant) | -24mV...+24mV<br>(Depending on the power supply)                                                                |
| LCS16<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...                     |
| LCS16<br>+<br>Digital amplifier                   | 12~24V DC           | RS485 or RS232 output                                                                                           |
| LCS16<br>+<br>Indicator                           | 12~24V DC           | Display force value<br>Switch/Relay output<br>Peak holding<br>RS485/RS232 interface<br>0-5V/0-10V/4-20mA output |
| Email us for datasheet of amplifier and indicator |                     |                                                                                                                 |