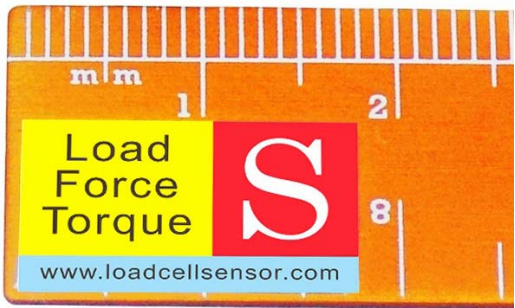
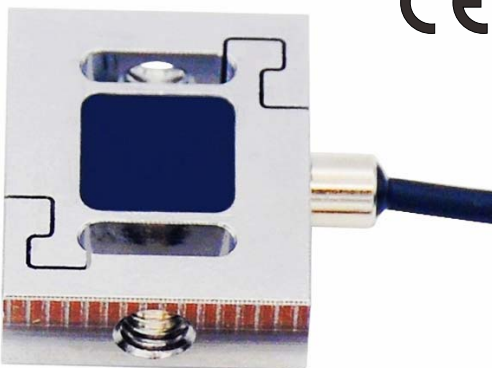
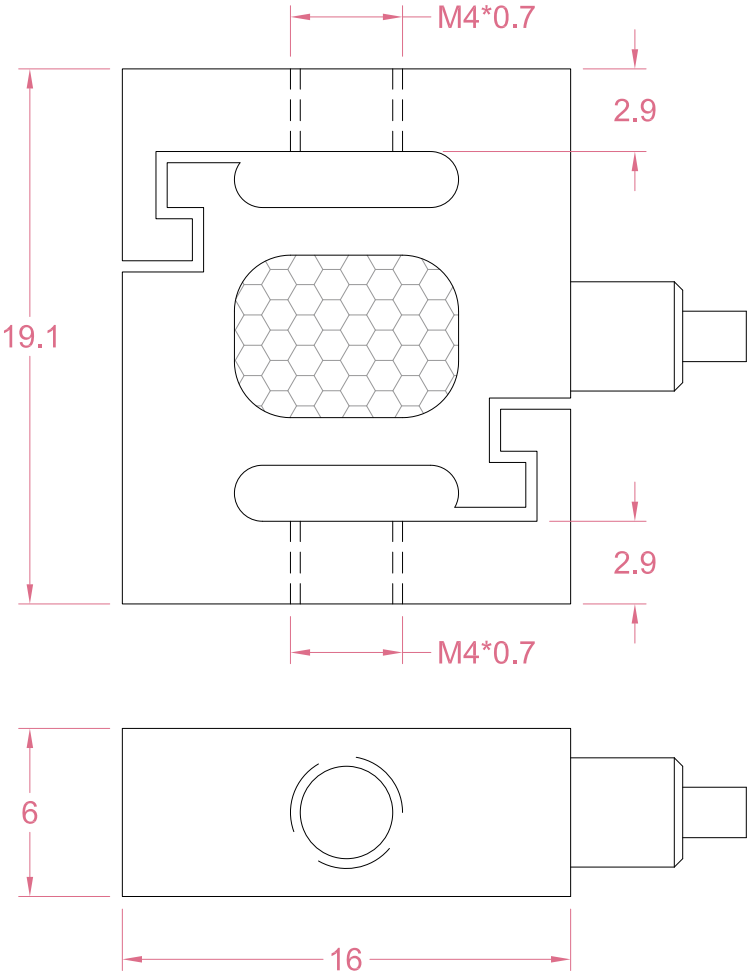


Dimensions in "mm"



Order example:

2 x LCS03 - 10kg

Quantity

Model

Capacity

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

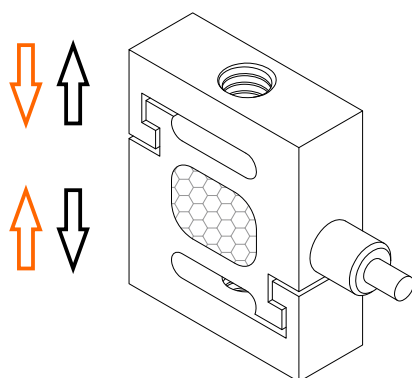
| Specifications   |                                      |                       |                  |
|------------------|--------------------------------------|-----------------------|------------------|
| Rated Capacity   | 5/10/20/30/50 kg                     |                       |                  |
| 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  | ±0.02% F.S./°C   |
| Nonlinearity     | ±0.1% F.S.                           | Temp. Coeff. of Span  | ±0.02% F.S./°C   |
| Hysteresis       | ±0.1% F.S.                           | Input Resistance      | 380±30 Ohms      |
| Nonrepeatability | ±0.05% 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            | Ø2*4000mm 4-conductor shielded cable |                       |                  |

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

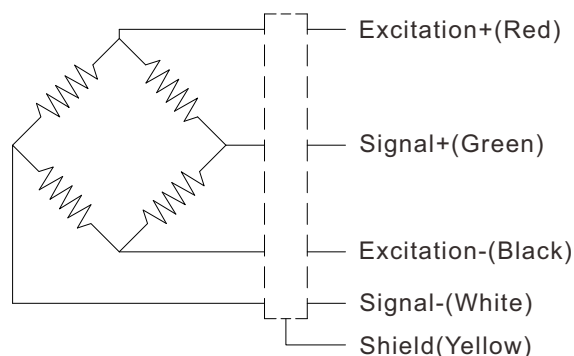
P:1/2



## Load direction

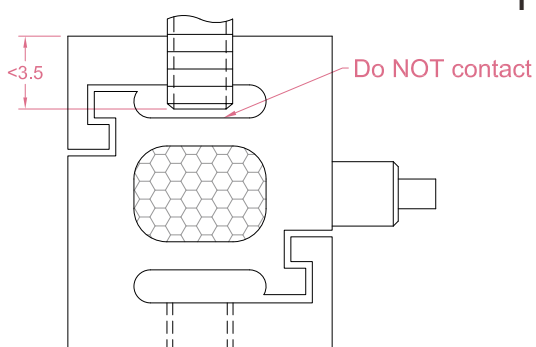


## Wiring Code@Compression



Shield is NOT connected to the sensor body

## Precautions



The mounting depth of the bolt is recommended to be less than 3.5mm to keep distance from the “Do NOT contact” surface. Same for both sides.

## Sensor/Amplifier/Indicator

| Items                                             | Power supply        | Output/Function                                                                                                 |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| LCS03                                             | 3-12V<br>(Constant) | -24mV...+24mV<br>(Depending on the power supply)                                                                |
| LCS03<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...                     |
| LCS03<br>+<br>Digital amplifier                   | 12~24V DC           | RS485 or RS232 output                                                                                           |
| LCS03<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 |                     |                                                                                                                 |

