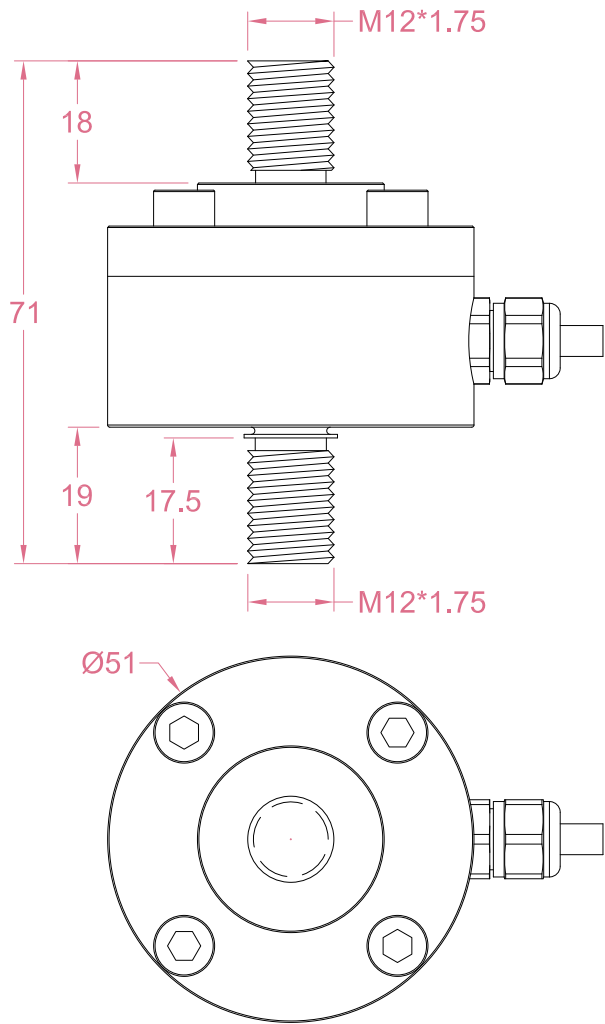


Dimensions in "mm"



Order example:  
5 x LCR07- 5kN - H

Quantity    Model    Capacity    A: -20...+65°C  
H: -40...+120°C

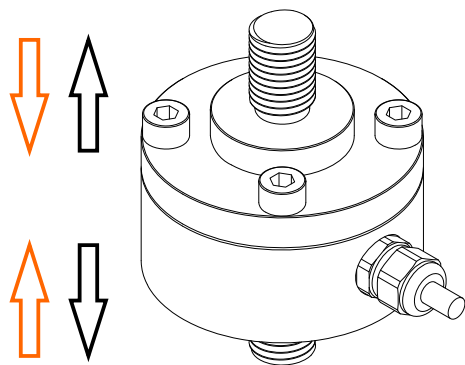
Email to [sales@loadcellsensor.com](mailto:sales@loadcellsensor.com) for a quote

| Specifications   |                                      |                       |                                   |
|------------------|--------------------------------------|-----------------------|-----------------------------------|
| Rated Capacity   | 1/2/5/10/20 kN                       |                       |                                   |
| Rated Output     | 1.7 mV/V                             | Compensated Temp.     | A: 0...+40°C<br>H: -20...+80°C    |
| Excitation       | 3~15V                                | Operating Temp.       | A: -20...+65°C<br>H: -40...+120°C |
| Zero Balance     | ±0.06 mV/V                           | Temp. Coeff. of Zero  | ±0.01% F.S./°C                    |
| Nonlinearity     | ±0.25% F.S.                          | Temp. Coeff. of Span  | ±0.01% F.S./°C                    |
| Hysteresis       | ±0.25% F.S.                          | Input Resistance      | 750±100 Ohms                      |
| Nonrepeatability | ±0.1% F.S.                           | Output Resistance     | 700±10 Ohms                       |
| Creep(5min)      | ±0.1% F.S.                           | Insulation Resistance | >2000M Ohms(50V)                  |
| Safe Load Limit  | 150% F.S.                            | IP Rating             | IP66                              |
| Breaking Load    | 200% F.S.                            | Element Material      | Stainless steel                   |
| Cable            | Ø4*3000mm 4-conductor shielded cable |                       |                                   |

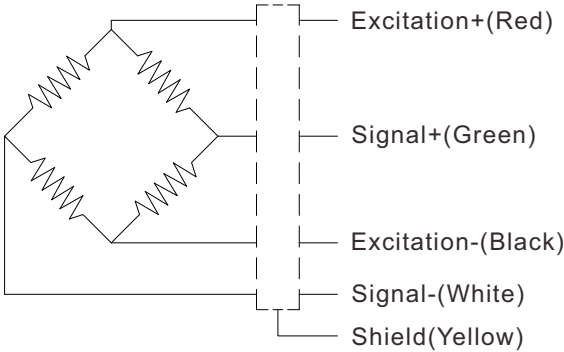
• LCS reserves the right to modify its design and specifications without notice

P:1/2

Load direction



Wiring Code@Compression



Shield is NOT connected to the sensor body

Sensor/Amplifier/Indicator

| Items                                             | Power supply        | Output/Function                                                                                           |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------|
| LCR07                                             | 3-15V<br>(Constant) | -30mV...+30mV<br>(Depending on the power supply)                                                          |
| LCR07<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...               |
| LCR07<br>+<br>Digital amplifier                   | 12~24V DC           | RS485 or RS232 output                                                                                     |
| LCR07<br>+<br>Indicator                           | 12~24V DC           | Display force value<br>Switch output<br>Peak holding<br>RS485/RS232 interface<br>0-5V/0-10V/4-20mA output |
| Email us for datasheet of amplifier and indicator |                     |                                                                                                           |

Customization options

|                                             |
|---------------------------------------------|
| Cable<br>(Length/Specifications/Connectors) |
| Dimensions and measuring range              |