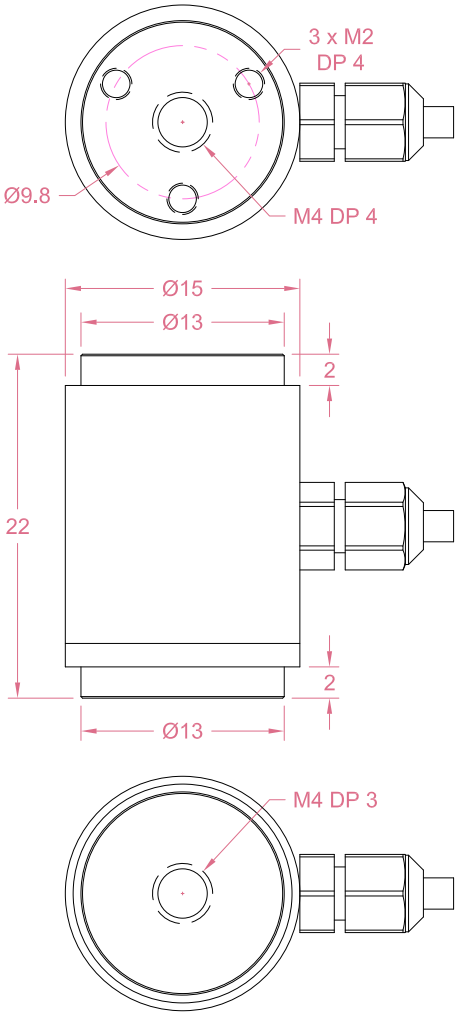


Dimensions in “mm”



Order example:

1 x LCF04 - 5kg

Quantity      Model      Capacity

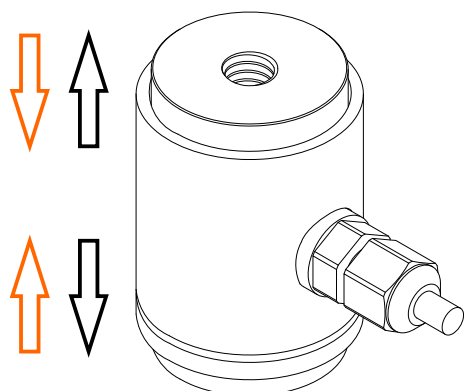
Email to [sales@loadcellsensor.com](mailto:sales@loadcellsensor.com) for a quote

| Specifications   |                                      |                       |                  |
|------------------|--------------------------------------|-----------------------|------------------|
| Rated Capacity   | 5/10/20/50 kg                        |                       |                  |
| Rated Output     | 2.0 mV/V                             | Compensated Temp.     | 0...+40°C        |
| Excitation       | 3~12V                                | Operating Temp.       | -20...+60°C      |
| Zero Balance     | ±0.05 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      | 350±30 Ohms      |
| Nonrepeatability | ±0.05% F.S.                          | Output Resistance     | 352±5 Ohms       |
| Creep(3min)      | ±0.1% 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*3000mm 4-conductor shielded cable |                       |                  |

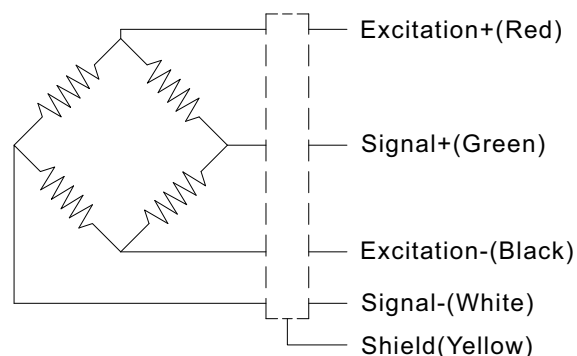
• LCS reserves the right to modify its design and specifications without notice

P:1/2

### Load direction



### Wiring Code@Compression



Shield is NOT connected to the sensor body

## Sensor/Amplifier/Indicator

| Items                                             | Power supply        | Output/Function                                                                                                 |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| LCF04                                             | 3-12V<br>(Constant) | -24mV...+24mV<br>(Depending on the power supply)                                                                |
| LCF04<br>+<br>Analog amplifier                    | 12~24V DC           | 0-3.3V,0-5V,0-10V,<br>-5-5V,-10-10V,0-5-10V<br>0-20mA,4-20mA,4-12-20mA...                                       |
| LCF04<br>+<br>Digital amplifier                   | 12~24V DC           | RS485 or RS232 output                                                                                           |
| LCF04<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 |                     |                                                                                                                 |

## Customization options

|                                             |
|---------------------------------------------|
| Cable<br>(Length/Specifications/Connectors) |
| Dimensions and measuring range              |
| Working Temperature<br>(-40°C...+180°C)     |
| IP Rating<br>(Up to IP68)                   |