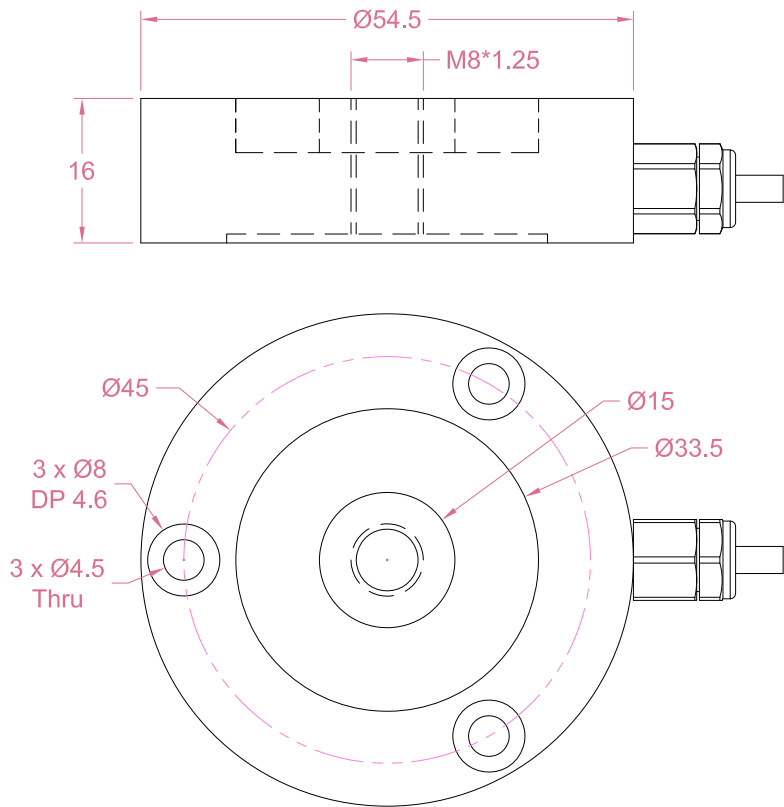




Order example:

2 x LCP02 - 1kN

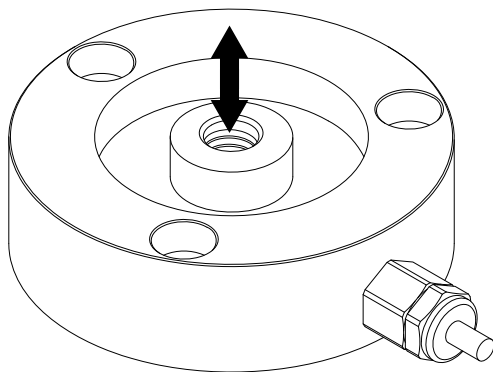
Quantity      Model      Capacity

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

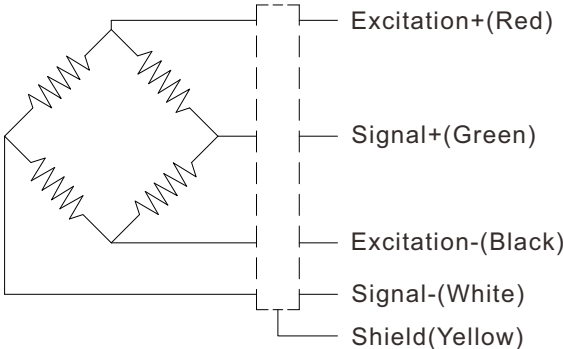
| Specifications   |                                      |                       |                  |
|------------------|--------------------------------------|-----------------------|------------------|
| Rated Capacity   | 500/1k/2k/3k N                       |                       |                  |
| Rated Output     | 2.0 mV/V                             | Compensated Temp.     | 0...+40°C        |
| Excitation       | 3~15V                                | Operating Temp.       | -20...+60°C      |
| Zero Balance     | ±0.05 mV/V                           | Temp. Coeff. of Zero  | ±0.02% F.S./°C   |
| Nonlinearity     | ±0.3% F.S.                           | Temp. Coeff. of Span  | ±0.02% F.S./°C   |
| Hysteresis       | ±0.3% F.S.                           | Input Resistance      | 750±100 Ohms     |
| Nonrepeatability | ±0.1% F.S.                           | Output Resistance     | 700±100 Ohms     |
| Creep(5min)      | ±0.05% F.S.                          | Insulation Resistance | >2000M Ohms(50V) |
| Safe Load Limit  | 150% F.S.                            | IP Rating             | IP65             |
| Breaking Load    | 200% F.S.                            | Element Material      | Stainless steel  |
| Cable            | Ø3*3000mm 4-conductor shielded cable |                       |                  |

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

Load direction



Wiring Code@Compression



Shield is NOT connected to the sensor body

Sensor/Amplifier/Indicator

| Items                                             | Power supply        | Output/Function                                                                                                 |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| LCP02                                             | 3-15V<br>(Constant) | -30mV...+30mV<br>(Depending on the power supply)                                                                |
| LCP02<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...                                       |
| LCP02<br>+<br>Digital amplifier                   | 12~24V DC           | RS485 or RS232 output                                                                                           |
| LCP02<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...+150°C)     |
| IP Rating<br>(Up to IP68)                   |