



### Special features

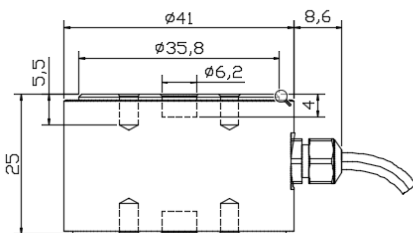
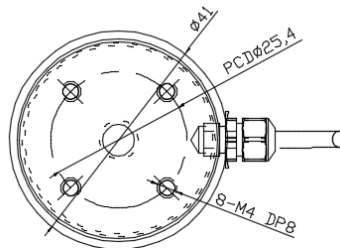
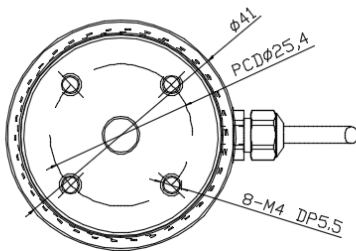
- Low profile and small deflection
- Compression Loadcell
- Protection Class : IP66
- High dynamic response frequency
- Material : stainless Steel



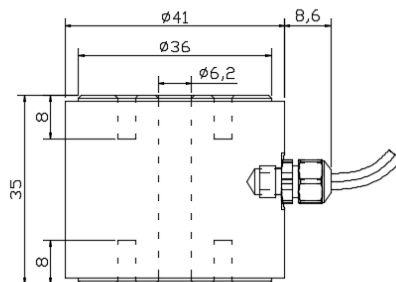
### Order code

R119-□□kN

### Dimensions (mm)



0.05KN ~ 20KN



50KN ~ 100KN

### Wiring assignment

| Assignment             | Wire colour            |
|------------------------|------------------------|
| Excitation voltage (+) | RED                    |
| Excitation voltage (-) | BLACK                  |
| Measurement signal (+) | GREEN                  |
| Measurement signal (-) | WHITE                  |
| Shielding              | connected to enclosure |

Four-wire cable  
4 m long  
Ø approx. 3 mm

## Specifications

| Max. Capacity (Rated Load)              | kN        | 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, |
|-----------------------------------------|-----------|------------------------------------------------|
| Rated Output                            | mV / V    | 2.0 ± 10%                                      |
| Zero Balance                            | mV / V    | 0.05                                           |
| Accuracy Class                          | -         | -                                              |
| Non-Linearity                           | % R.O.    | ≤0.1                                           |
| Hysteresis                              | % R.O.    | ≤0.1                                           |
| Combined Error                          | % R.O.    | ≤0.1                                           |
| Repeatability                           | % R.O.    | ≤0.1                                           |
| Creep for 30min.                        | % R.O.    | ≤0.05                                          |
| Return for 30min.                       | % R.O.    | ≤0.05                                          |
| Resolution                              | -         | -                                              |
| Division                                | mV / V    | 0.02                                           |
| Temperature Effect on                   | -         | -                                              |
| _Zero Value                             | % / 10 °C | ≤0.05                                          |
| _Output Value                           | % / 10 °C | ≤0.05                                          |
| Excitation                              | -         | -                                              |
| _Recommended                            | V         | 10                                             |
| _Maximum                                | V         | 20                                             |
| Resistance                              | -         | -                                              |
| _Input                                  | Ω         | 385 ± 10                                       |
| _Output                                 | Ω         | 350 ± 5                                        |
| _Insulation                             |           | >5000MΩ /100VDC                                |
| Compensated Temperature Range Operating | °C        | -10 to +60                                     |
| Temperature Range                       | °C        | -20 to +80                                     |
| Material & Plate                        | -         | Stainless steel, Buffing                       |
| Cable Specification                     | -         | ø3 x 4p x 4M                                   |
| Safety Overload                         | %L.       | 150%L.                                         |
| Protection Class                        |           | IP66                                           |