

## Model OBBN Series

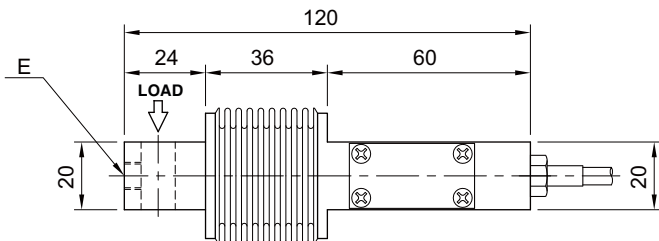
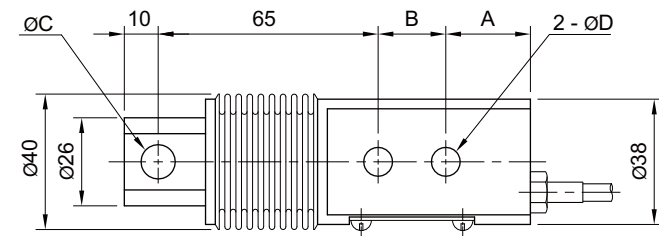
Bending Beam Load Cell  
(20kg ~ 300kg)

- 17-4PH stainless steel construction
- Fully welded seal with stainless steel bellows
- High accuracy



### SPECIFICATIONS

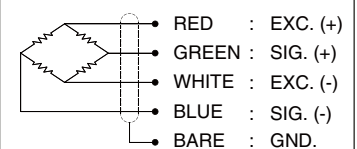
| MODEL                         | OBBN  |
|-------------------------------|---|
| Rated capacity (R.C.)         | 20, 50, 100, 200, 300kg                     |
| Rated output (R.O.)           | 2.0mV/V ± 0.003mV/V                         |
| Non-linearity                 | ≤ 0.03% R.O.                                |
| Hysteresis                    | ≤ 0.02% R.O.                                |
| Non-repeatability             | ≤ 0.02% R.O.                                |
| Creep error                   | ≤ 0.03% in 20min.                           |
| Zero balance                  | ≤ 1% R.O.                                   |
| Compensated temperature range | -10 ~ 70°C                                  |
| Operating temperature range   | -20 ~ 80°C                                  |
| Temp. effect on rated output  | ≤ 0.003% LOAD/°C                            |
| Temp. effect on zero balance  | ≤ 0.003% R.O./°C                            |
| Terminal input resistance     | 400 Ohms ± 30 Ohms                          |
| Terminal output resistance    | 350 Ohms ± 5 Ohms                           |
| Insulation resistance (Min.)  | 2000 MOhms at 50V DC                        |
| Excitation Voltage            | 3-12V(Recommended), 15V(Maximum)            |
| Electrical connection         | ø5mmx3m, 5m(Option), 22AWG x 4C meets IP 68 |
| Protection class              | meets IP 68                                 |
| Safe overload                 | 150% R.C                                    |
| Ultimate overload             | 300% R.C                                    |



### ORDERING INFORMATION

|             |   |                             |
|-------------|---|-----------------------------|
| <b>OBBN</b> | - | <b>50</b>                   |
| MODEL       |   | CAPACITY                    |
| OBBN        |   | 20, 50, 100kg<br>200, 300kg |

### WIRING INFORMATION



### Dimension-mm

| Rated Capacity  | A  | B  | C    | D   | E        | Weight(kg) |
|-----------------|----|----|------|-----|----------|------------|
| 20kg (196.1N)   | 27 | 18 | 8.1  | 6.5 | M8x1.25P | 0.7        |
| 50kg (490.3N)   |    |    |      |     |          |            |
| 100kg (980.7N)  | 25 | 20 | 10.1 | 8.5 | N/A      | 0.7        |
| 200kg (1.961kN) |    |    |      |     |          |            |
| 300kg (2.942kN) |    |    |      |     |          |            |

\* Specifications are subject to change without notice

APR, 2018