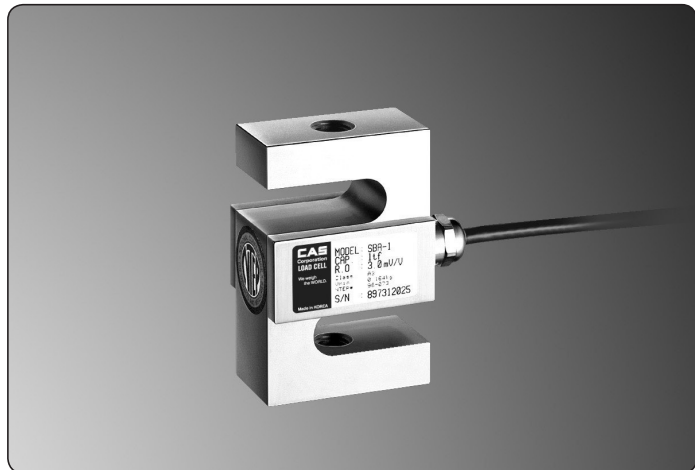


SBA

S-Beam Load Cell



LOAD CELL



FEATURES

- Nickel plated steel construction
- OIML C3 Approved (OIML R60)
- NTEP III 5,000S Approved (Handbook 44)
- Designed according to IP65

OPTIONS

- OIML C3 Approved (OIML R60)
- NTEP III 5,000S Approved (Handbook 44)
(Pound & Imperial thread Ver.)

ACCESSORY OPTION

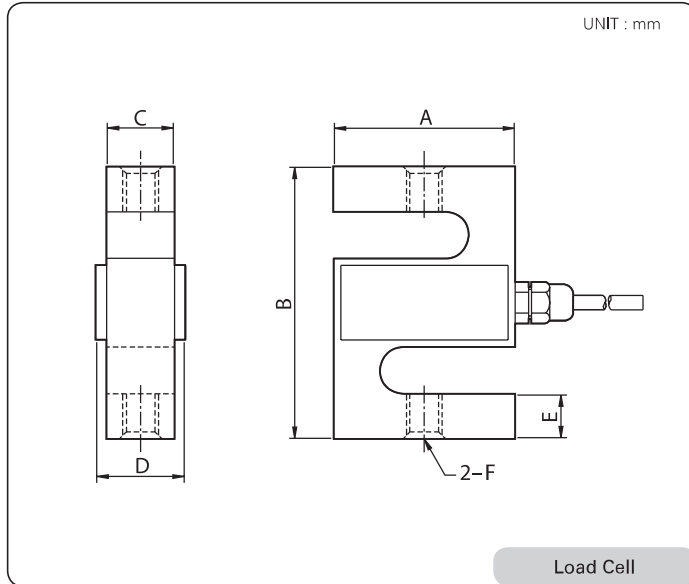
- Rod End (25~100kg : M6 x 1.0)
- Rod End (200~1000kg : M12 x 1.75)
- Rod End (2000~5000kg : M18 x 1.5)

SPECIFICATION

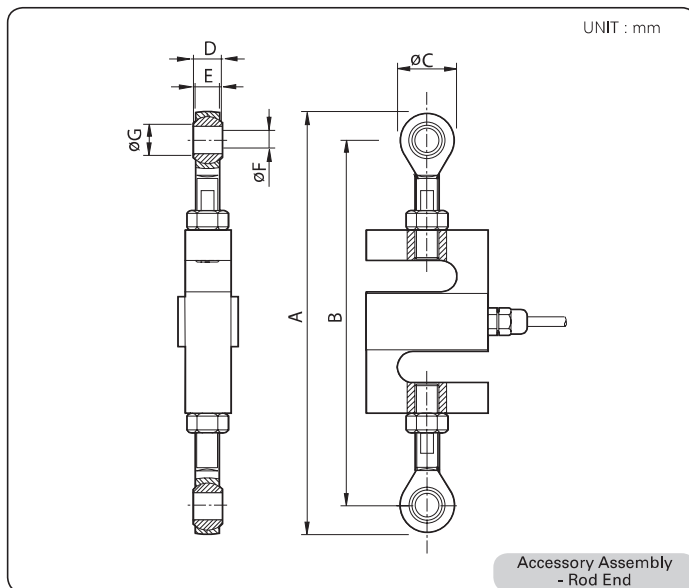
| Capacity | | kgf | 25, 50, 100, 200, 500, 1K, 2K, 3K, 5K | |
|-------------------------------|---------------|--------|---------------------------------------|----------|
| Rated Output | | mV / V | 3.0 ± 0.3 | |
| Zero Balance | | mV / V | 0.0 ± 0.03 | |
| Accuracy Class | | - | D3 | C3 |
| Non-Linearity | | % R.O. | ≤ 0.03 | ≤ 0.02 |
| Hysteresis | | % R.O. | ≤ 0.03 | ≤ 0.02 |
| Combined Error | | % R.O. | ≤ 0.03 | ≤ 0.02 |
| Repeatability | | % R.O. | ≤ 0.01 | ≤ 0.01 |
| Creep for 30min. | | % R.O. | ≤ 0.03 | ≤ 0.017 |
| Return for 30min. | | % R.O. | ≤ 0.03 | ≤ 0.017 |
| Resolution | | - | ≤ 1/3000 | ≤ 1/5000 |
| Division | | mV / V | 0.0067 | 0.0004 |
| Temperature Effect on | -Zero Value | %/10°C | ≤ 0.028 | |
| | -Output Value | %/10°C | ≤ 0.015 | |
| Excitation | -Recommended | V | 10 | |
| | -Maximum | V | 15 | |
| Resistance | -Input | Ω | 400 ± 3.5 | |
| | -Output | Ω | 350 ± 3.5 | |
| | -Insulation | MΩ | > 2000 | |
| Compensated Temperature Range | | °C | - 10 to + 40 | |
| Operating Temperature Range | | °C | - 30 to + 80 | |
| Material & Plate | | - | Nickel Plated Steel | |
| Cable Specification | | - | ø5.4 x 4P x 3M (Urethane) | |



● DIMENSION



| Capa. | A | B | C | D | E | F |
|--------|------|------|------|----|------|------------|
| 25kgf | 50.8 | 63.5 | 12.7 | 20 | 10.3 | M6 x 1.0 |
| 50kgf | | | | | | |
| 100kgf | 51 | 76 | 19 | 27 | 12.6 | M12 x 1.75 |
| 200kgf | | | | | | |
| 500kgf | 51 | 76 | 19 | 27 | 12.6 | M12 x 1.75 |
| 1tf | 51 | 76 | 25.4 | 33 | 12.6 | M12 x 1.75 |
| 2tf | 77 | 108 | 25.4 | 33 | 19 | M18 x 1.5 |
| 3tf | | | | | | |
| 5tf | 77 | 108 | 25.4 | 33 | 19.5 | M18 x 1.5 |



● ACCESSORY FEATURES

- Over load under 150%
- Easy Rod End installation
- Bearing included structure

● MANUAL

- Install the Rod End on the upper and bottom side of the Load Cell
- Do not insert the Rod End until the end
- The Rod End should be in a perpendicular with the force direction of the Load Cell

| Capa. | A | B | C | D | E | F | G |
|--------|------------|-------|------|----|-----|----|------|
| 25kgf | 134.1(Max) | 115.6 | 18.5 | 9 | 6.8 | 9 | 12 |
| 50kgf | | | | | | | |
| 100kgf | | | | | | | |
| 200kgf | 211.1 | 177.1 | 34 | 16 | 12 | 12 | 15.4 |
| 500kgf | | | | | | | |
| 1tf | 211.1 | 177.1 | 34 | 16 | 12 | 12 | 15.4 |
| 2tf | 211.1 | 177.1 | 34 | 16 | 12 | 12 | 15.4 |