

# SB210

Shear Beam Load Cell

150, 200, 250, 300, 500 kgf, 1, 2, 3, 5, 10 tf



## FEATURES

- Low profile for Industrial platform
- Protection class IP66

## Material

- Nickel plated steel

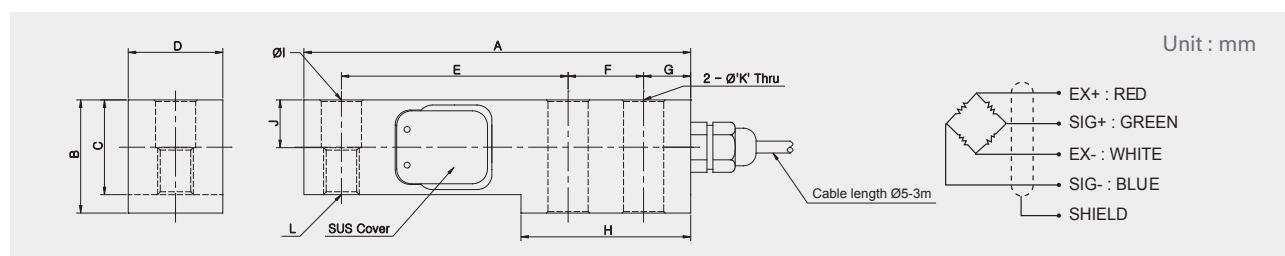
## Cable

- Braided shield 4-wire round cable with PVC - jacket

## Mounting

| Capacity       | Hexagon head-bolt | Tightening torque |
|----------------|-------------------|-------------------|
| 150 kgf ~ 3 tf | M12 x 1.75 (10.9) | 100Nm             |
| 5 tf           | M18 x 1.5 (10.9)  | 350Nm             |
| 10 tf          | M24 x 2.0 (10.9)  | 860Nm             |

## DIMENSIONS



| Model       | Capacity | A     | B    | C    | D    | E     | F    | G    | H   | I    | J    | K    | L        |
|-------------|----------|-------|------|------|------|-------|------|------|-----|------|------|------|----------|
| SB210-150K  | 150 kgf  | 130   | 38   | 32   | 31.8 | 76.2  | 25.4 | 15.8 | 57  | 13.5 | 16   | 13.5 | M12x1.75 |
| SB210-200K  | 200 kgf  |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210-250K  | 250 kgf  |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210-300K  | 300 kgf  |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210-500K  | 500 kgf  |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210 - 1T  | 1 tf     | 171.5 | 44.5 | 38   | 38   | 95.3  | 38.1 | 19   | 76  | 20   | 19   | 20   | M18x1.5  |
| SB210 - 2T  | 2 tf     |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210 - 3T  | 3 tf     |       |      |      |      |       |      |      |     |      |      |      |          |
| SB210 - 5T  | 5 tf     | 222   | 57.2 | 50.8 | 50.8 | 120.4 | 50.8 | 25.4 | 100 | 26.2 | 25.4 | 26.2 | M24x2.0  |
| SB210 - 10T | 10 tf    |       |      |      |      |       |      |      |     |      |      |      |          |

## SPECIFICATIONS

| Max. Capacity           |             | kgf, tf      | 150, 200, 250, 300, 500 kgf 1, 2, 3, 5, 10 tf |      |
|-------------------------|-------------|--------------|-----------------------------------------------|------|
| Rated output            |             | mV/V         | 2.0 ± 0.005                                   |      |
| Zero balance            |             | mV/V         | 0 ± 0.02                                      |      |
| Combined error          |             | %RO          | 0.03                                          |      |
| Repeatability           |             | %RO          | 0.01                                          |      |
| Creep (30min.)          |             | %RO          | 0.03                                          |      |
| Temperature effect on   |             | Zero value   | %RO/10℃                                       | 0.03 |
|                         |             | Output value | %RO/10℃                                       | 0.02 |
| Excitation              | Recommended | V            | 10                                            |      |
|                         | Maximum     | V            | 15                                            |      |
| Resistance              | Input       | Ω            | 400 ± 30                                      |      |
|                         | Output      | Ω            | 350 ± 3.5                                     |      |
|                         | Insulation  | MΩ           | > 2,000 @50V DC                               |      |
|                         |             |              |                                               |      |
| Compensated temp. range |             | ℃            | -10 ~ +40                                     |      |
| Operating temp. range   |             | ℃            | -20 ~ +80                                     |      |