

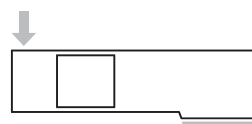
Shear Beam Load Cell

SBL210 150kgf~10tf



FEATURES

- Protection class IP66
- Low cost
- Compact design



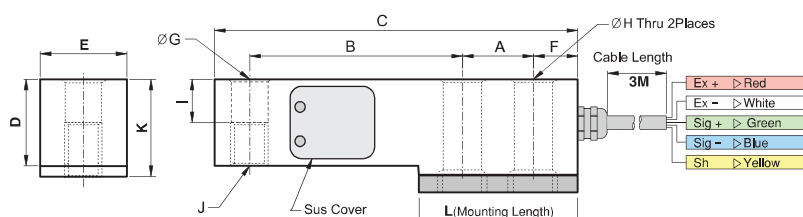
Material: Nickel plated steel / Stainless Steel(Optional)

Mounting

Capacity	Hexagon head-Bolt	Tightening torque
150 kgf ~ 2 tf	M12 × 1.75(10.9)	100 Nm
3 tf ~ 5 tf	M18 × 1.5(10.9)	350 Nm
10 tf	M24 × 2.0(10.9)	860 Nm

Cable: Braided shield 4-wire round cable

DIMENSIONS (unit : mm)



Model	Capacity	A	B	C	D	E	F	Ø G	H	I	J	K	L
SBL210-150kgf	150kgf	25.4	76.2	130	32	32	15.8	13.5	13.5	16.0	M12 × 1.75	38	52
SBL210-300kgf	300kgf												
SBL210-500kgf	500kgf												
SBL210-1tf	1 tf												
SBL210-2tf	2 tf	38.1	95.3	171.5	38	38	19	20	20	19	M18 × 1.5	44.5	76.2
SBL210-3tf	3 tf												
SBL210-5tf	5 tf												
SBL210-10tf	10 tf	50.8	120.7	223.3	50.8	50.8	26.4	26.2	26.2	25.4	M24 × 2.0	57.2	101

※ **Option:** Material selection(Aluminum or stainless steel)

SPECIFICATIONS

Rated capacity(R.C.)	kgf, tf	150, 300, 500kgf, 1, 2, 3, 5 10tf
Rated output(R.O.)	mV/V	2.0 ± 0.005
Zero balance	mV/V	0 ± 0.02
Combined error	%	0.03
Repeatability	%	0.01
Creep for 30 min	%	0.03
Temperature effect on		
Zero Value	%/10℃	0.028
Output Value	%/10℃	0.015
Excitation		
Recommended	V	10
Maximum	V	15
Resistance		
Input	Ω	400 ± 30
Output	Ω	350 Ω ± 3.5
Insulation	MΩ	> 2,000
Compensated temperature range	℃	-10 to + 40
Operating temperature range	℃	-30 to + 80