

SBA



Tension / Compression Load Cell

- Available in 50 kgf up to 5 tf capacity
- Nickel plated tool steel
- Environmentally sealed
- NTEP / OIML approved



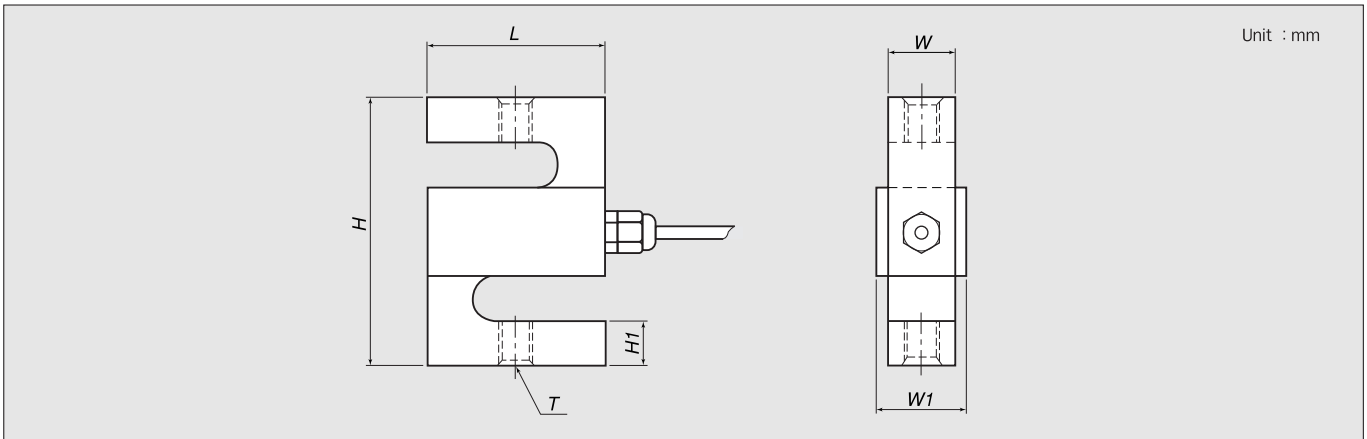
APPLICATION

- Tank scales
- Hopper scales
- Process control
- Mechanical scale conversions

CAS

SBA S - Bending Load Cell

DIMENSIONS



CAPACITY	H	H1	L	T	W	W1
50 kgf, 100 kgf	63.5	10	51	M6 × 1.0	12.4	20
200 kgf, 500 kgf	76	12.6	51	M12 × 1.75	19	27
1 tf	76	12.6	51	M12 × 1.75	25.4	33
2tf, 3tf, 5tf	108	19	77	M18 × 1.5	25.4	33

SPECIFICATIONS

Rated Load (R.L.)	50 kgf, 100 kgf, 200 kgf, 500 kgf, 1 tf, 2tf, 3tf, 5tf	
Rated Output (R.O.)	3mV/V ± 10%	
Accuracy Class	D 3	C 3, A 5
Combined Error	< 0.03% R.O.	< 0.02% R.O.
Repeatability	< 0.01% R.O.	< 0.01% R.O.
Creep (for 30 min) / -10°C to +40°C	< 0.03% R.O.	< 0.017% R.O.
Temperature Effect on Zero Value / 10°C	< 0.028% R.O.	< 0.014% R.O.
Temperature Effect on Output Value / 10°C	< 0.015% R.O.	< 0.011% R.O.
Recommended Excitation	DC 10V	
Maximum Excitation	DC 15V	
Zero Balance	± 1% R.O.	
Input Resistance	400 ± 25Ω	
Output Resistance	350 ± 3.5Ω	
Insulation Resistance	> 2000 MΩ	
Cable	3 m, 4 conductor with shield	
Compensated Temperature Range	- 10°C to +40°C	
Operating Temperature Range	- 30°C to +80°C	
Safe Overload	150% Rated Load	
Protection Class	IP 65	

ORDERING INFORMATION

CAPACITY	MODEL NO.
50 kgf	SBA - 50 L
100 kgf	SBA - 100 L
200 kgf	SBA - 200 L
500 kgf	SBA - 500 L
1 tf	SBA - 1
2 tf	SBA - 2
3 tf	SBA - 3
5 tf	SBA - 5

CABLE COLOR CODE

Red	+ Excitation
White	- Excitation
Green	+ Signal
Blue	- Signal
Black	Shield

CAS

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Specifications are subject to change for improvement without prior notice.