

SBA



NTEP APPROVED

Tension / Compression Load Cell

- Available in 50 lb up to 20 klb versions
- Nickel plated tool steel
- Environmentally sealed
- NTEP / OIML approved

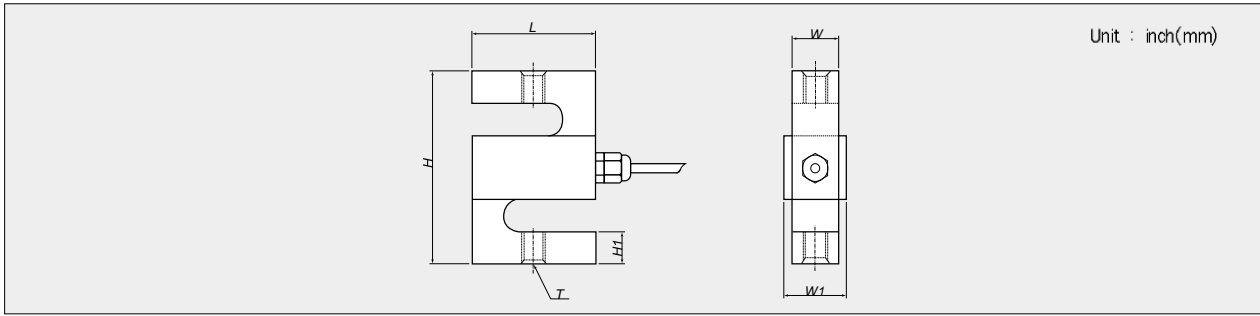


APPLICATION

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

SBA S-Bending Load Cell

DIMENSIONS



CAPACITY	H	H 1	L	T	W	W 1
50 lb, 75 lb, 100 lb, 150 lb, 200 lb	2.50(63.5)	0.38(9.75)	2.00(50.8)	1/4 - 28UNF	0.50(12.7)	0.60(15.3)
250 lb, 300 lb	3.00(76.2)	0.47(12)	2.00(50.8)	3/8 - 24UNF	0.50(12.7)	0.80(20)
500 lb, 750 lb, 1 klb, 1.5 klb, 2 klb	3.00(76.2)	0.50(12.6)	2.00(50.8)	1/2 - 20UNF	0.75(19)	1.06(27)
2.5 klb, 3 klb	3.00(76.2)	0.50(12.6)	2.00(50.8)	1/2 - 20UNF	1.00(25.4)	1.30(33)
5 klb	4.25(108)	0.75(19)	3.03(77)	3/4 - 16UNF	1.00(25.4)	1.30(33)
7.5 klb, 10 klb	4.75(120.65)	0.87(22)	3.50(88.9)	3/4 - 16UNF	1.00(25.4)	1.30(33)
15 klb	6.50(165.1)	1.18(30)	4.00(101.8)	1 - 14UNF	1.25(31.75)	1.55(39.35)
20 klb	7.00(177.8)	1.26(32)	5.00(127)	1 1/4 - 12UNF	2.00(50.8)	2.30(58.4)

SPECIFICATIONS

Rated Load(R.L.)	lb, 75 lb, 100 lb, 150 lb, 200 lb, 250 lb, 300 lb, 750 lb, 1 klb, 1.5 klb, 2 klb, 2.5 klb, 3 klb, 5 klb, 7.5 klb, 10 klb, 15 klb, 20 klb
Rated Output(R.O.)	3mV/V ± 10%
Accuracy Class	5,000S / L10,000S
Combined Error	< 0.02% R.O.
Repeatability	< 0.01% R.O.
Creep(for 30min) / -10 C to +40 C	< 0.017% R.O.
Zero Return	< 0.017% R.O.
Temperature Effect on Zero Value / 10 C	< 0.014% R.O.
Temperature Effect on Output Value / 10 C	< 0.011% R.O.
Recommended Excitation	10V
Maximum Excitation	15V
Zero Balance	± 1% R.O.
Input Resistance	400 ± 25Ω
Output Resistance	350 ± 3.5Ω
Insulation Resistance	M
Cable	20ft / 6m 4 conductor with shield
Compensated Temperature Range	C to +40 C
Safe Operating Range	C to +80 C
Safe Overload	150% Rated Capacity
Protection Class	IP 65

ORDERING INFORMATION

CAP.	MODEL NO.	CAP.	MODEL NO.
50 lb	SBA - 50 LB	klb	SBA - 2 K
75 lb	SBA - 75 LB	2.5 klb	SBA - 2.5 K
100 lb	SBA - 100 LB	klb	SBA - 3 K
150 lb	SBA - 150 LB	klb	SBA - 5 K
200 lb	SBA - 200 LB	7.5 klb	SBA - 7.5 K
250 lb	SBA - 250 LB	klb	SBA - 10 K
300 lb	SBA - 300 LB	klb	SBA - 15 K
500 lb	SBA - 500 LB	klb	SBA - 20 K
750 lb	SBA - 750 LB		
1 klb	SBA - 1 K		
1.5 klb	SBA - 1.5 K		

CABLE COLOR CODE

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



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<http://www.cas-usa.com>

C A M B R I D G E

CAS **LOAD CELLS**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>CAPACITY</u>	<u>LIST</u>
SBA	“S” TYPE LOAD CELL	50 LB	\$ 240.
		75 LB	\$ 240.
		100 LB	\$ 240.
		150 LB	\$ 240.
		200 LB	\$ 240.
		250 LB	\$ 240.
		300 LB	\$ 240.
		500 LB	\$ 240.
		750 LB	\$ 240.
		1,000 LB	\$ 240.
		1,500 LB	\$ 240.
		2,000 LB	\$ 240.
		2,500 LB	\$ 280.
		3,000 LB	\$ 280.
		5,000 LB	\$ 450.
7,500 LB	\$ 450.		
10,000 LB	\$ 450.		
15,000 LB	\$ 600.		
20,000 LB	\$ 900.		

F.O.B.: HONEY BROOK, PA

PRICES EFFECTIVE: 01/01/18

PRICES SUBJECT TO CHANGE WITHOUT NOTICE