

BCM



NTEP APPROVED

Single Point Load Cell

- Available in 50 kgf (100 lb) up to 500 kgf (1000 lb) versions
- Aluminum alloy construction
- Compatible with other sources



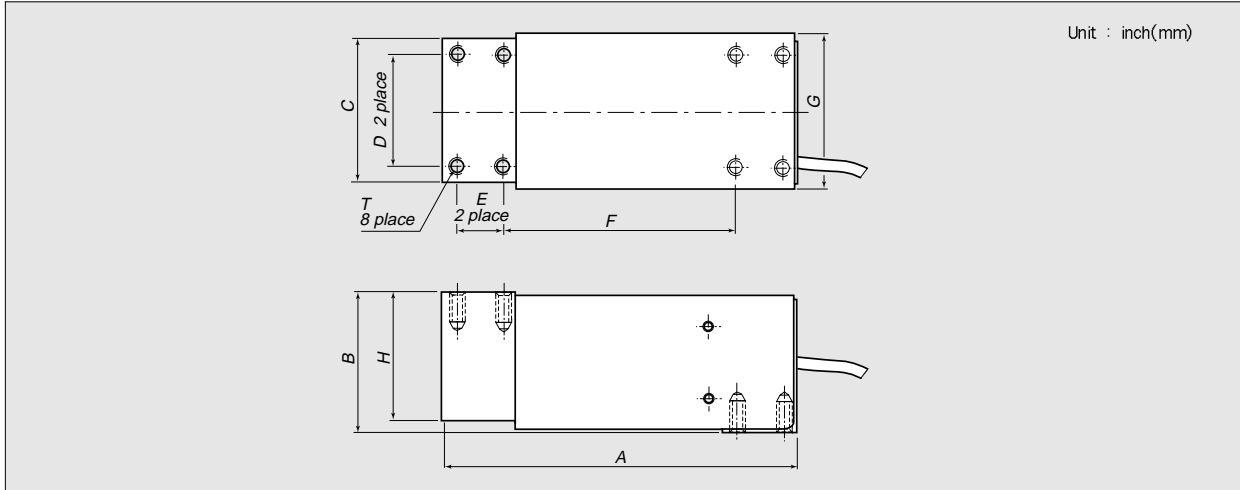
APPLICATION

- Bench scales
- Platform scales
- Check weighing system

CAS

BCM Single Point Load Cell

DIMENSIONS



Unit : inch(mm)

CAPACITY	A	B	C	D	E	F	G	H	T
50 kgf - 500 kgf	7.52 (191)	2.97 (75.4)	3.0 (76.2)	2.358 (59.9)	0.980 (24.9)	4.921 (125)	3.2 (81.4)	2.67 (67.8)	5/16 - 18DNC

SPECIFICATIONS

Rated Load (R.L.)	50 kgf, 75 kgf, 100 kgf, 150 kgf, 200 kgf, 300 kgf, 500 kgf
Rated Output (R.O.)	2 mV/V \pm 10 %
Accuracy Class	III
Combined Error	< 0.02 % R.O.
Repeatability	< 0.01 % R.O.
Creep (for 30min) / -10 °C to +40 °C	< 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	DC 10 V
Maximum Excitation	DC 15 V
Zero Balance	\pm 5 % R.O.
Input Resistance	400 \pm 20 Ω
Output Resistance	350 \pm 3.5 Ω
Insulation Resistance	> 2000 M Ω
Cable	10 ft / 3 m 4 or 6 conductor with shield
Compensated Temperature Range	-10 °C to +40 °C
Safe Operating Range	-20 °C to +70 °C
Safe Overload	150 % Rated Capacity
Protection Class	IP 65

ORDERING INFORMATION

CAPACITY	MODEL NO.
50 kgf	BCM - 50 L - A
75 kgf	BCM - 75 L - A
100 kgf	BCM - 100 L - A
150 kgf	BCM - 150 L - A
200 kgf	BCM - 200 L - A
300 kgf	BCM - 300 L - A
500 kgf	BCM - 500 L - A

CABLE COLOR CODE

Red	+ Excitation
Black	- Excitation
Green	+ Signal
White	- Signal
Blue	+ Remote sense
Brown	- Remote sense
Clear	Shield



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Specifications are subject to change for improvement without prior notice.

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