

# CAS<sup>82M</sup> SERIES

## Tank Mount

- Ideal for tank, bin, and hopper weighing
- Capacities ranging from 250 lbs to 20,000 lbs
- Available with alloy steel, stainless steel, and stainless steel welded load cell
- Redundant sealing
- Articulating mounting plate
- Low profile design
- Integral height adjustment for balancing



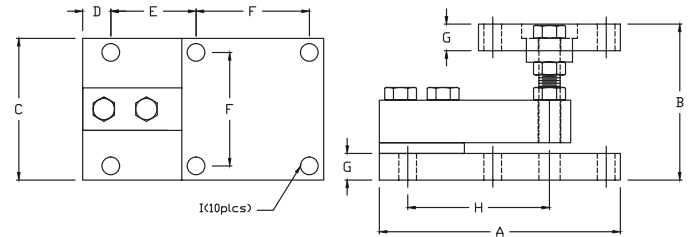
**CAS**

[www.cas-usa.com](http://www.cas-usa.com)

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## DIMENSIONS

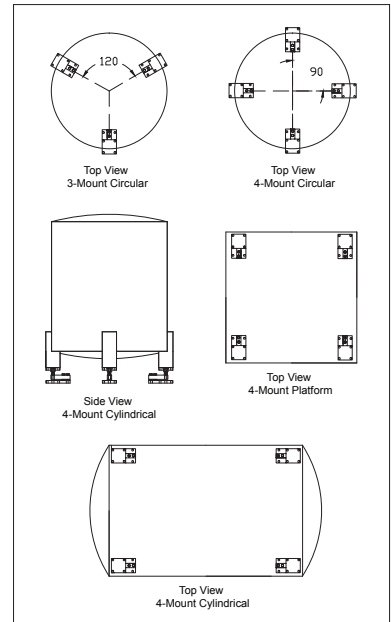
Rated Capacity	Dimensions								
	A	B	C	D	E	F	G	H	I
250lbs - 5Kse	7.12	4.00 - 4.50	5.00	0.56	2.00	4.00	0.70	4.00	0.63
5Kle - 10K	8.50	5.00 - 5.50	5.00	0.75	3.00	4.00	0.94	5.00	0.63
15K - 20K	10.88	7.00 - 7.50	6.00	0.87	4.63	4.50	1.44	6.88	0.88



## LOAD CELLS - CAS-23LA, CAS-23LS, CAS-23LW2, CAS-23LW3

Specifications				
Rated Output (mV/V)	3.00 +/- 0.1%		Insulation Resistance	5000 Megohms
	2.00 +/- 0.1% (CAS23-SSW-02)		Excitation Voltage	10V AC/DC (20V Max)
Nonlinearity	+/- 0.03% FS		Compensated Temp. Range	-10°C - +40°C
Hysteresis	+/- 0.02% FS		Operating Temp. Range	-20°C - +60°C
Repeatability	+/- 0.01% FS		Safe Overload	150% FS
Creep (30 minutes)	+/- 0.02% FS		Cable Length	20' Standard Cable
Zero Balance	+/- 1.00% FS		Cable Color Code	
Temp. Effect on Zero	+/- 0.0027% of rated output/°C		Input	Green +Excitation
Temp. Effect on Output	+/- 0.0015% of applied output/°C			Black -Excitation
Input Impedance	385 +/- 10 ohms		Output	White +Signal
Output Impedance	350 +/- 3 ohms			Red -Signal
Seal Type	CAS-23/23LS	Environmentally-Sealed, IP 67	Approvals	NTEP (Load Cell Only): 08-099
	CAS-23LW2/LW3	Welded-Seal, IP 67		FM

## APPLICATION



## Models

Alloy Steel Load Cell with Mild Steel Mount			
Model #	Capacity	Model #	Capacity
CAS-82M-250L	250 lb	CAS-82M-4M	4K
CAS-82M-500L	500 lb	CAS-82M-5SM	5K
CAS-82M-1M	1K	CAS-82M-5M	5K
CAS-82M-1AM	1.5K	CAS-82M-10M	10K
CAS-82M-2M	2K	CAS-82M-15M	15K
CAS-82M-2AM	2.5K	CAS-82M-20M	20K

Stainless Steel Welded Load Cell* with Stainless Steel Mount			
Model #	Capacity	Model #	Capacity
CAS-82MW-1M	1K	CAS-82MW-4M	4K
CAS-82MW-1AM	1.5K	CAS-82MW-5SM	5K
CAS-82M-2M	2K	CAS-82MW-5M	5K
CAS-82MW-2AM	2.5K	CAS-82MW-10M	10K

\* Uses CAS-23LW2 (2mv/v) or CAS-23LW3 (3mv/v)

Stainless Steel Load Cell with Stainless Steel Mount	
Model #	Capacity
CAS-82MS-250L	250 lb
CAS-82MS-500L	500 lb
CAS-82MS-1M	1K
CAS-82MS-1AM	1.5K
CAS-82MS-2M	2K
CAS-82MS-2AM	2.5K
CAS-82MS-4M	4K
CAS-82MS-5SM	5K
CAS-82MS-5M	5K
CAS-82MS-10M	10K
CAS-82MS-15M	15K
CAS-82MS-20M	20K

## Kits Available

3 Mount or 4 Mount Kits available. Kits will include the CAS SS34AS NEMA 4X Stainless Steel Junction Box with 4 cell signal trim summing card and 25' of cable.

# CAS

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Specifications are subject to change for improvement without prior notice.