

RECTANGULAR SHEAR BEAM **30310**



DESCRIPTION :

A versatile Load Cell designed for multiple use in low profile and platform scales as well as tank, bin, and hopper weighing systems. The high alloy steel construction ensures durability and precision performance. The cell is environmentally protected with water resistant seal and is nickel / chrome plated to assure resistance against corrosion. Mounting hardware is also available.

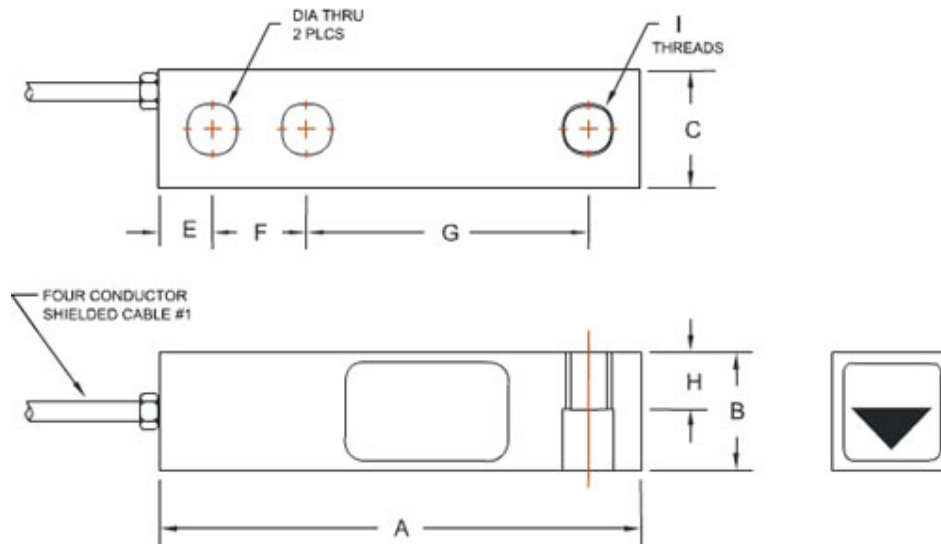
- Model 30310 threaded hole
- 250 to 20K pounds capacities
- Complete environmental protection IP-67
- NTEP certified versions available for class III / III L 5000 divisions
- Factory Mutual (F.M.) Approved
- Stainless Steel versions available

SPECIFICATIONS :

Standard Capacities : (lbs.)	*250, *500, 1K, 2K, 2.5K, 3K, 4K, 5K, 5KLE, 10K, 15K, 20K (* Bending Beam)
Excitation Voltage :	10VDC - Maximum 15VDC
Rated Output :	3.0 mv/v + 0.25%
Non-Linearity :	< 0.03% FSO (Full Scale Output)
Hysteresis :	< 0.02% FSO
Non-Repeatability :	< 0.01% FSO
Zero Balance :	± 1.0% FSO
Bridge Resistance :	350 ohms ±3.5 ohms
Safe Overload :	150% of Rated Capacity
Temperature :	
Compensated Range :	0 - 150 deg. F
Effect of Output :	< 0.0008% FSO/deg. F
Effect on Zero :	< 0.0011% FSO/deg. F
Finish :	Alloy Steel

DIMENSIONS :

CAPACITY (lbs.)	A	B	C	D	E	F	G	H	T Threads
250-5K	5.12	1.25	1.25	0.53	0.60	1.00	3.00	0.60	1/2-20 UNF - 2B
5KLE-10K	6.75	1.50	1.50	0.78	0.75	1.50	3.75	0.75	3/4-16 UNF - 2B
15K - 20K	8.75	2.00	2.00	1.03	1.00	2.00	4.75	1.00	1-14 UNF - 2B



APPLICATIONS :

- Low Profile Floor Scales
- Tank, Hopper & Bag Weighing
- Force & Tension Measurement
- Pallet Scales
- Industrial Automation
- **Bending Beam Design only for 250 to 500 lbs capacities**