

# LOAD CELLS: MODEL ALD-COMP



The ALD-LOAD CELLS are compact reliable sensors for accurate and repeatable measurements of static and dynamic compressive loads.

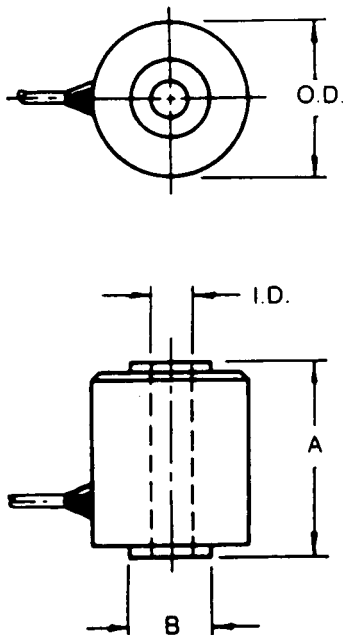
Electrically this Load Cell is a full WHEATSTONE BRIDGE with four arms. The strain sensitive elements are bonded to the load column and are sealed with a moisture proof coating to shield them from harsh environments.

The ALD-LOAD CELLS are compact with a rugged "hollow" design which permits bolts or tie rods to pass through the central opening.

## SPECIFICATIONS:

Output Resistance:	350Ω (Nominal)
Input Resistance:	750Ω bridge for 20,000 lb. capacity and larger
Excitation:	10 VDC or AC
SENSITIVITY:	2mV/V at capacity (Nominal)
NON-LINEARITY:	±0.15% F.S.
HYSTERESIS:	±0.15% F.S.
COMPENSATED TEMP. RANGE:	15°F - 150°F
SAFE OVERLOAD:	150% Rated Capacity
ULTIMATE OVERLOAD:	250% Rated Capacity
ZERO BALANCE:	Better Than 1% F.S.

A Three ft. long shielded 4 conductor cable and load buttons are supplied with all load cells.



Rated Capacity (lb)	DIMENSIONS IN INCHES			
	O.D.	I.D.	A	B
1,000	1.00	0.50	0.65	0.60
2,000	1.25	0.50	0.85	0.60
3,000	1.25	0.50	1.00	0.70
5,000	1.50	0.50	1.40	1.00
10,000	1.50	0.50	1.40	1.00
20,000	1.75	0.50	1.50	1.25
30,000	2.37	1.00	2.00	1.50
50,000	2.50	1.00	2.00	1.75
100,000	3.25	1.40	2.50	2.50
200,000	4.00	1.75	3.50	3.50