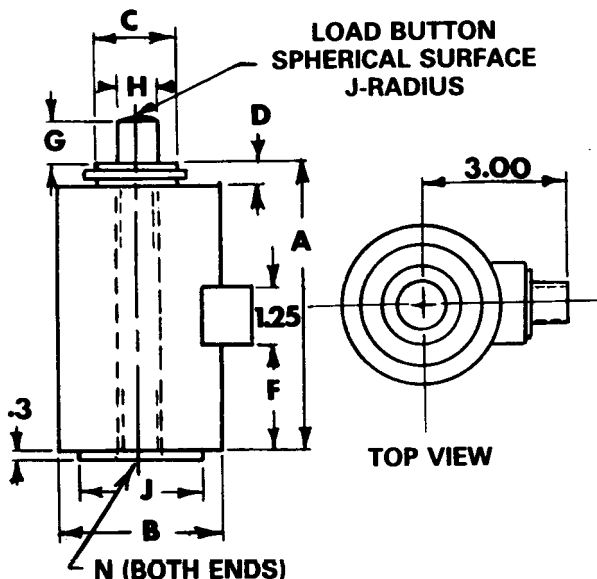


ALD-BLC-LOAD CELL

SPECIFICATIONS:

Output Resistance:	700Ω (Nominal)
Input Resistance:	700Ω (Nominal)
Excitation:	10 VDC or AC
Sensitivity:	2mV/V (Nominal)
Non-Linearity:	±0.10% F.S.
Hysteresis:	±0.10% F.S.
Compensated Temp. Range:	15°F to 150°F
Safe Overload:	150% Rated Capacity
Ultimate Overload:	250% Rated Capacity
Zero Balance:	Better than 1% F.S.



The A.L. Design Load Cell assures precision and high accuracy. All stainless steel construction and a sturdy diaphragm contribute the excellent performance given while under the application of side and eccentric load conditions.

Within the load cell are one or more sets of matched strain gages bonded to a high-strength, hardened stainless steel element machined to close tolerances. The strain gages are electrically connected to form a balanced Wheatstone Bridge, and additional compensation resistors are added to the circuit for maintaining the accuracy of the bridge over a wide range of temperatures. The original accuracy is long-lasting in part because of the absence of moving parts, but more so because of the excellent design and quality engineering.

Further, the cell which has a capacity range from 50 to 250,000 lb., and either a 350Ω or 700Ω bridge, realizes low deflection and high natural frequency.

Capacity (lb)	DIMENSIONS IN INCHES												
	A	B	C	D	E	F	G	H	J	K	L	M	N
50 to 300	4.500	3.500	0.625	0.250	0.672	0.859	-	-	1.250	-	-	-	3/8-24 UNF-2X9/16 DP
500 to 3,000	4.563	3.500	1.063	0.250	0.688	1.1250	0.375	0.625	1.250	-	-	0.375	1/2-20 UNF-3x 1/2 DP
5,000 to 10,000	5.938	3.500	1.875	0.375	0.688	1.813	0.625	1.063	2.500	1.750	0.500	0.875	1-14 UNF-2x1-1/4 DP
20,000 to 30,000	8.500	5.000	2.750	0.500	0.969	2.813	-	-	4.000	2.625	1.000	-	1-1/2-12 UNF-2x2 DP
50,000	11.438	6.500	4.000	0.625	1.094	3.188	-	-	5.760	3.750	1.000	-	2-12 UN-2x2-5/8 DP
100,000	17.750	9.000	5.500	1.125	1.188	4.938	-	-	7.750	4.750	1.000	10.500	3-8 UN-2x4 1/2 DP
200,000 to 250,000	24.000	12.000	7.750	1.188	1.250	7.969	-	-	7.500	6.250	1.500	13.500	4-8 UN-2x6 DP

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