

"a preferred name in load cell technology"

Model 80210



NTEP C.O.C. #90-083A2

Double Ended Shear Beam Load Cell

FEATURES:

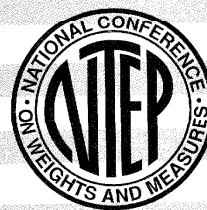
- 20k to 200k pounds capacities
- Low profile design
- Nickel/Chrome plated high alloy tool steel
- Complete environmental protection
- NTEP Certified versions available for Class III L 10,000 divisions
- Factory Mutual (F.M.) Approved †

DESCRIPTION:

The Model 80210, a double ended shear beam load cell, is ideally suited for tough environments associated with truck scales. Its construction of high alloy tool steel provides optimum protection under impact loading and adverse conditions. The cell is environmentally protected with two waterproof seals and nickel/chrome plating to assure resistance against corrosion.

PERFORMANCE SPECIFICATIONS

Standard Capacities (lbs.):	20K, 30K, 40K, 50K, 60K, 65K, 75K, 100K, 150K, 200K
Excitation Voltage:	10VDC - Maximum 15VDC
Rated Output:	3.0 mv/v \pm .1%
Non-Linearity:	< 0.03% FSO (Full Scale Output)
Hysteresis:	< 0.02% FSO
Non-Repeatability:	< 0.01% FSO
Zero Balance:	\pm 1.0% FSO
Bridge Resistance:	700 \pm 7.0 ohms
Safe Overload:	150% of Rated Capacity
Side Load Discrimination:	500:1
Temperature:	
Compensated Range:	0 - 150 deg. F
Effect on Output:	< 0.0008% FSO/deg. F
Effect on Zero:	< 0.0011% FSO/deg. F
Finish:	Electroless Nickel/Chrome Plated



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CAPACITY LBS.	A	B	C	D	E	F	G	H	J
20K - 40K	8.25	7.25	2.44	1.94	2.00	1.63	0.50	.25	.50
50K - 150K	10.25	8.50	2.90	2.90	2.40	2.05	1.00	.25	1.00
200K	11.50	10.00	3.40	3.40	2.75	2.35	1.50	.40	1.50

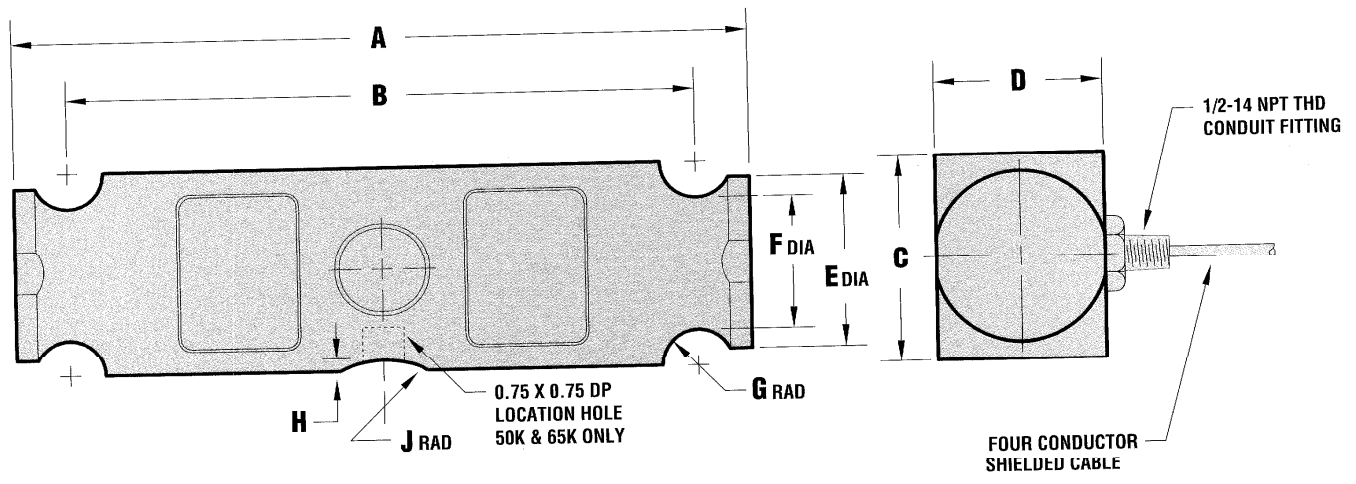
WIRING

INPUT OUTPUT SHIELD

RED (+) GREEN (+)

BLACK (-) WHITE (-)

COMPRESSION POSITIVE



* NOTE: 20K - 40K: 40 FT CABLE, 50K - 200K: 60 FT CABLE
 † Factory Mutual Systems approved as intrinsically safe when installed per F.M. approved installation drawing. Contact ARTECH sales department for details.

Represented by:



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