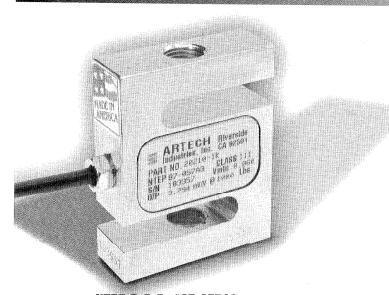




'a preferred name in load cell technology'



NTEP C.O.C. #87-057A3

# Type "S" Load Cell

#### **FEATURES:**

- 25 to 40,000 pounds capacities
- Complete environmental protection
- Stainless Steel versions available
- NTEP Certified versions available for Class III 5,000 divisions and Class III L 10,000 divisions
- · Factory Mutual (F.M.) Approved †

### **DESCRIPTION:**

Economical load cell for use in tank weighing, scale conversions and in-line force measurement applications. The versatile and compact unit works in tension or compression and is lightweight. Also rugged and sealed for use in washdown areas. Standardized output available on request  $(3.0 \pm .1\%)$ .

PERFORMANCE SPECI	FI	CA	TIC	ins
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Standard Capacities (lbs.):

25, 50, 75, 100, 150, 200, 250, 300, 500, 750, 1K, 1.5K, 2K,

2.5K, 3K, 5K, 10K, 15K, 20K, 30K, 40K

**Excitation Voltage:** 10VDC - Maximum 15VDC **Rated Output:** 3.0 mv/v Minimum

Non-Linearity: < 0.03% FSO (Full Scale Output)

**Hysteresis:** < 0.02% FS0

Non-Repeatability: < 0.01% FS0 Zero Balance: ±1.0% FS0

**Bridge Resistance:** 350 ohms nominal

Safe Overload: 150% of Rated Capacity

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



## odel 20210



CAPACITY LBS.	Α	В МАХ.	С	T THREADS
25-300	2.00	.75	2.50	1/4 - 28 UNF - 2B
500 2.5K	2.00	1.00	2.50	1/2 - 20 UNF - 2B
ЗК	3.00	1.25	4.00	1/2 - 20 UNF - 2B
5K, 10K	3.00	1.25	4.00	3/4 - 16 UNF - 2B
15K	3.50	1.50	5.50	1 - 14 UNF - 2B
20K	4.50	2.00	7.00	1 1/4 - 12 UNF - 2E
30K, 40K	5.75	2.75	10.00	1 1/2 - 12 UNF - 2E

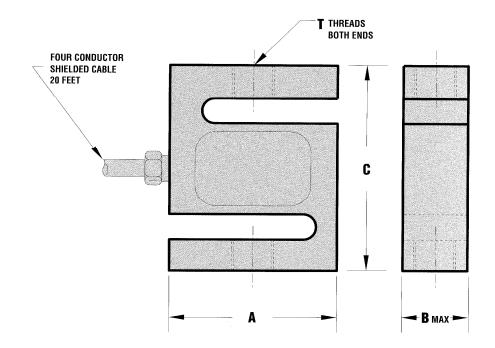
## **ELECTRICAL TERMINATION**

INPUT OUTPUT SHIELD

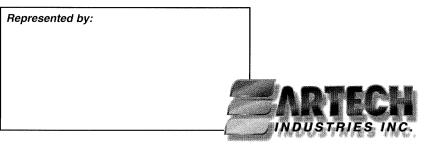
RED (+) GREEN (+)

BLACK (-) WHITE (-)

**TENSION POSITIVE** 



† Factory Mutual Systems approved as intrinsically safe when installed per F.M. approved installation drawing. Contact ARTECH sales department for details.



1966 Keats Drive, Riverside, CA 92501