



## S TYPE TENSION LOAD CELL



### DESCRIPTION

The STC is designed for single cell tension application, such as steel-yard scale and platform scale conversion.

The STC is made of either high alloy tool steel or stainless steel for maximum resistance to shock and overload.

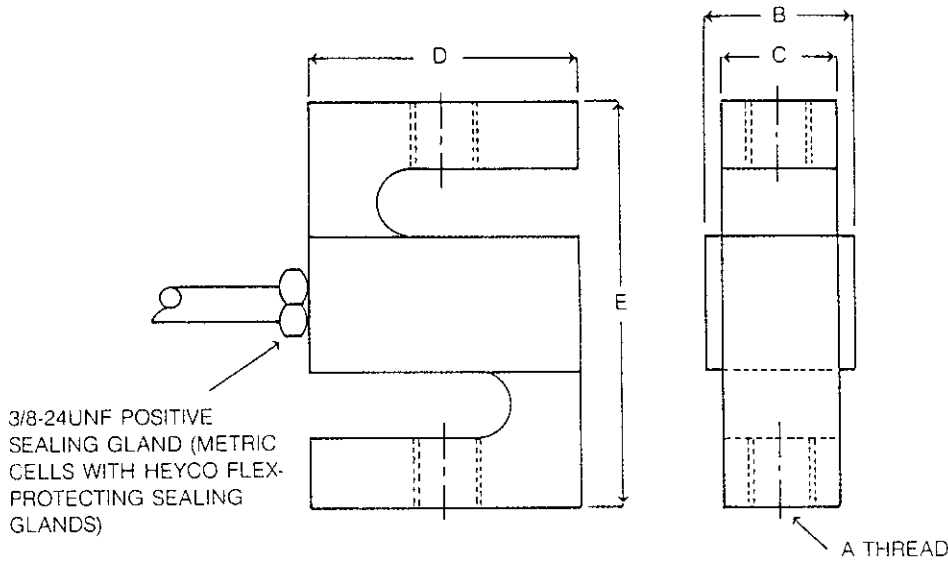
The STC has full environmental protection, including positive sealing gland at cable entrance, full potting in the gaging area, and silicone rubber sealing between the side plate and the cell body. The electroless nickel plating provides rust-resistant surface and glossy appearance.

### PERFORMANCE SPECIFICATIONS

Standard Capacity	: 250, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 5K, 7.5K, 10K, 15K, 20K LB; METRIC: 100, 250, 500, 750, 1000, 1500, 2000, 2500, 5000 KG.
Output	: 3mv/V $\pm$ 10%
Combined Error	: 0.02%
Non-Repeatability	: 0.01%
Creep (20 minutes)	: 0.03%
Zero Return	: 0.03%
Thermal Sensitivity Shift	: 0.015%/10°C
Thermal Zero Shift	: 0.026%/10°C
Compensated Temperature Range	: -10° — 40°C
Operating Temperature Range	: -40° — 65°C
Zero Balance	: $\pm$ 1% R.O.
Input Resistance	: 385 $\Omega$ $\pm$ 3 $\Omega$
Output Resistance	: 350 $\Omega$ $\pm$ 3 $\Omega$
Insulation Resistance	: > 2000 M $\Omega$
Deflection at Rated Load	: < 0.3 mm
Safe Overload	: 150%
Ultimate Overload	: > 300%



## STC — IN NICKEL PLATED STEEL & STAINLESS STEEL CONSTRUCTION



CAPACITY	DIMENSIONS					
		A	B	C	D	E
100kg 250lb	(mm) (inch)	M10 x 1.50 3/8-24UNF-2B	25.4 0.75	19.0 0.50	50.8 2.00	76.2 3.00
250/500/750kg 500/750/1K/1.5K lb	(mm) (inch)	M12 x 1.75 1/2-20UNF-2B	25.4 1.00	19.0 0.75	50.8 2.00	76.2 3.00
1000/1500kg 2K/2.5K/3K lb	(mm) (inch)	M12 x 1.75 1/2-20UNF-2B	31.8 1.25	25.4 1.00	50.8 2.00	76.2 3.00
2000/2500/5000kg 5K/7.5K/10K lb	(mm) (inch)	M18 x 1.50 3/4-16UNF-2B	31.8 1.25	25.4 1.00	76.2 3.00	108 4.25
15K lb	(inch)	1-14UNS-2B	1.50	1.25	3.94	5.50
20K lb	(inch)	1 1/4-12UNF-2B	2.00	1.94	4.94	7.00

We have been dedicated to making weighing system easier for you from both technical and cost viewpoints. The above specifications are made to meet most of the demands in this industry. However, we also welcome your special specifications on quantity orders.

### MODEL DESIGNATION

EXAMPLE: STC (-SS) — 2K LB  
 (1000 KG)  
 Model Stainless Steel  
 Capacity in lbs. or Kgs.

DELIVERY: MANY IN STOCK!!!  
 1 TO 8 WEEKS FOR NON-AVAILABLE ITEMS.

\* Please contact us for special delivery.