

Stainless Steel, Welded Seal S-Beam Load Cell

FEATURES

- Rated capacities of 500 to 20,000 pounds
- Stainless steel, welded seal construction
- Integrated loading brackets
- Compatible with TCM tension mounting hardware
- Designed for single or multiple load cell applications
- Trade certified for NTEP Class IIIL: 10000d and III: 5000d
- *Sensorgage™* sealed to IP68 standards
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G. Also, non-incendive ratings (No barriers!)
- **Optional**
 - Mounting and loading accessory hardware available



APPLICATIONS

- Hostile environments: Food and beverage processing
Chemical and plastics processing
Pharmaceutical and biomedical
- Bin, hopper and belt conveyor scales
- Level and inventory monitoring
- Tension and compression measurements

DESCRIPTION

The Model 60063 is a stainless steel S-Type load cell. Its welded sealing, combined with high accuracy, make this load cell ideally suited for a wide range of applications of process weighing and force measurement.

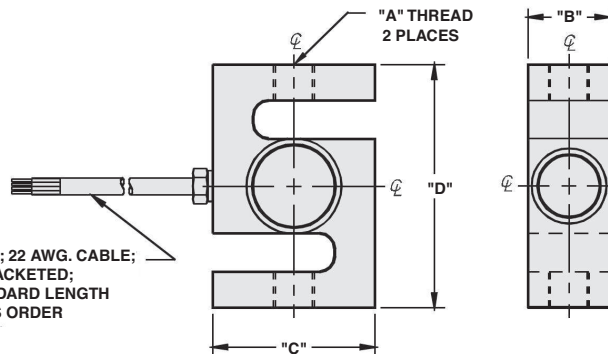
Approvals included NTEP III 5000d single and NTEP IIIL10000d multiple. Also available are versions approved for hazardous areas - FM I, II, III Division 1.

OUTLINE DIMENSIONS IN INCHES

Wiring

+ Excitation	Red
- Excitation	Black
+ Output	Green
- Output	White

4 CONDUCTOR; 22 AWG. CABLE;
SHIELDED & JACKETED;
20 FOOT STANDARD LENGTH
OR PER SALES ORDER



CAPACITY	A	B	C	D	DEFLECTION	WEIGHT
500-3k	1/2-20	1.00	2.00	3.00	0.010	3.0
5k-10k	3/4-16	1.00	3.50	4.75	0.010	5.00
15k	1-14	1.25	4.00	5.50	—	—
20k	1-1/4-12	2.00	5.00	7.00	—	—

Capacities are in pounds. Deflection is $\pm 10\%$. Certified drawings are available.

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SPECIFICATIONS				
PARAMETER	VALUE			UNIT
Rated capacity—R.C. (E_{max})	500, 750, 1k, 1.5k, 2k, 2.5k, 3k, 5k, 10k*, 15k, 20k			lbs
NTEP/OIML accuracy class	NTEP III	NTEP IIIL	Standard	
Maximum no. of intervals (n)	5000 multiple	10000 multiple		
$Y = E_{max}/V_{min}$	See NTEP cert. 98-019			Maximum available
Rated output—R.O.	2.0			mV/V
Rated output tolerance	+25%...-10%			±% mV/V
Zero balance	1.0			±% FSO
Combined error	0.02	0.02	0.03	±% FSO
Non-repeatability	0.01	0.01	0.015	±% FSO
Creep error (30 minutes)	0.025	0.03	0.03	±% FSO
Temperature effect on zero	0.0010	0.0010	0.0015	±% FSO/°F
Temperature effect on output	0.0008	0.0008	0.0008	±% of load/°F
Compensated temperature range	14 to 104 (-10 to 40)			°F (°C)
Operating temperature range	0 to 150 (-18 to 65)			°F (°C)
Storage temperature range	-60 to 185 (-50 to 85)			°F (°C)
Maximum safe central overload	150			% of R.C.
Ultimate central overload	300			% of R.C.
Excitation, recommended	10			VDC or VAC RMS
Excitation, maximum	15			VDC or VAC RMS
Input impedance	349-450			Ω
Output impedance	349-355			Ω
Insulation resistance at 50VDC	>1000			MΩ
Material	Stainless steel			
Environmental protection	IP68			

Note: * NTEP approval 500-5k lbs only.

FSO—Full Scale Output

All specifications subject to change without notice.

CERTIFICATION MARKINGS

FM Approval markings (USA and Canada)

IS Class I, II, III, Division 1,

Groups A, B, C, D, E, F and G; T4

Ta = -25°C to +40°C

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