

Single-Column Compression Load Cell

FEATURES

- Rated capacities of 50,000 to 100,000 pounds;
 25 to 50 metric tonnes
- · Stainless steel, welded seal construction
- 30 feet standard cable length
- Trade certified for NTEP Class IIIL: 10000 divisions and OIML R60 3000 divisions
- Welded Sensorgage[™] sealed to IP67 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
 - Fully hermetically sealed available to IP66/68 standards

APPLICATIONS

- Truck scales
- Tank, bin, and hopper weighing

DESCRIPTION

The 65114 is a high capacity, stainless steel singlecolumn compression load cell.

This product is specifically designed for use in rugged outdoor environments. Stainless steel construction with



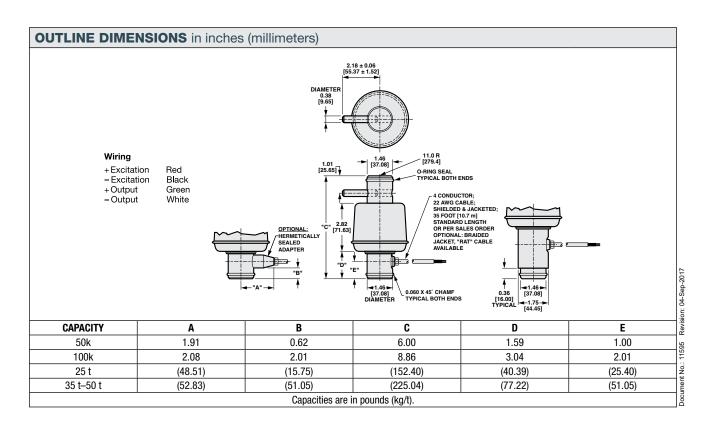






IP67 welded seal comes standard with optional true hermetic IP68 sealing available upon request. This load cell is used primarily in truck and train scales, but can just as easily be used to weigh tanks and silos.

This load cell is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environments. This load cell is certified for Legal-for-Trade applications by both American NTEP and International OIML standards.









Sensortronics

Single-Column Compression Load Cell

SPECIFICATIONS			
VALUE			UNIT
50k, 100k 25, 35, 50			lbs t
NTEP IIIL	Standard	OIML R60	
10000 multiple		3000	
NTEP cert. 97-081		8333	Maximum available
2.0		mV/V	
0.25		±% mV/V	
1.0		±% FSO	
0.02	0.03	0.02	±% FSO
0.010	0.015	0.010	±% FSO
0.03	0.05	0.017	±% FSO
0.0010	0.0015	0.0010	±% FSO/°F
0.0008	0.0008	0.0007	±% of load/°F
14 to 104 (-10 to 40)		°F (°C)	
0 to 150 (–18 to 65)		°F (°C)	
-60 to 185 (-50 to 85)		°F (°C)	
150		% of R.C.	
300		% of R.C.	
5–20		VDC or VAC RMS	
25			VDC or VAC RMS
1000 nominal			Ω
990–1010			Ω
>1000		ΜΩ	
Stainless steel			
IP67*			
	0.02 0.010 0.03 0.0010 0.0008	50k, 100k 25, 35, 50 NTEP IIIL Standard 10000 multiple NTEP cert. 97-081 2.0 0.25 1.0 0.02 0.03 0.010 0.015 0.003 0.0010 0.0015 0.0008 14 to 104 (-10 to 40) 0 to 150 (-18 to 65) -60 to 185 (-50 to 85) 150 300 5-20 25 1000 nominal 990-1010 >1000 Stainless steel	Solk, 100k 25, 35, 50 NTEP IIIL Standard OIML R60 10000 multiple 3000 NTEP cert. 97-081 8333 2.0 0.25 1.0 0.02 0.03 0.02 0.010 0.015 0.010 0.03 0.05 0.017 0.0010 0.0015 0.0010 0.0008 0.0008 0.0008 0.0007 14 to 104 (-10 to 40) 0 to 150 (-18 to 65) -60 to 185 (-50 to 85) 150 300 5-20 25 1000 nominal 990-1010 >1000 Stainless steel

^{*} Hermetically sealed to IP68 upon request

FSO-Full Scale Output

All specifications subject to change without notice.



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Document No.: 63999 Revision: 15-Jul-2014