Universal Load Cell

FEATURES

- Capacities: 50 to 10,000 kg (50 to 20,000 lbs)
- Stainless steel construction
- Suitable for compression and tension applications
- Trimmed output versions standard
- Sealing: IP67
- Certified to OIML R-60, 3000d, NTEP class IIIL, 10000 divisions
- **Optional**
  - FM approved for use in potentially explosive atmospheres

APPLICATIONS

- Suspended hoppers
- Overhead track scales
- Force measurement

DESCRIPTION

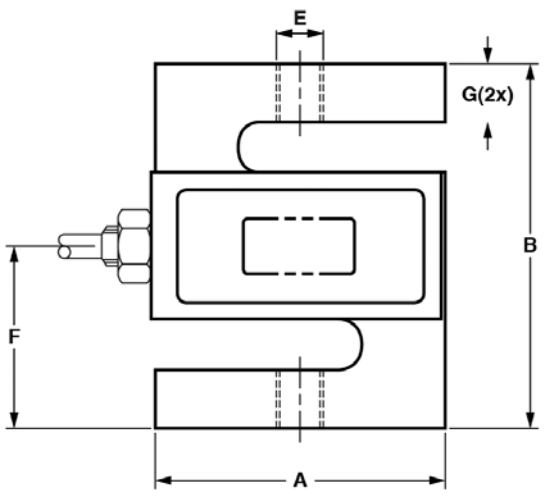
The Model 9363 is a multipurpose stainless steel S-type load cell which can be used in tension or compression.

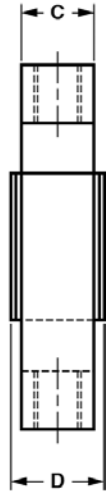
This product is suitable for a wide range of hybrid scales, overhead track scales, belt scales, and process weighing applications.

Reliable sealing is ensured by the proprietary TRANSEAL potting compound and additional mechanical protection of the strain gage area.

This product meets the stringent Weights and Measures requirements throughout Europe and the USA.

OUTLINE DIMENSIONS in millimeters





Cable specifications

Cable length:	6m
Excitation +	Red
Excitation –	Black
Output +	Green
Output –	White
Shield	Transparent

Cable screen is not connected to the load cell body.

Cap (kg)	50, 100	250, 500	1000	2500	5000	7500	10000
Cap (lbs)	**50, 100, 200, 300**	**500–1.5k**	**2k, 2.5k**	**3k*, 5k**	**10k**	**15000**	**20000**
A	50.8	50.8	50.8	76.2	74.7	87.4	112.8
B	61.0	61.0	61.0	99.1	99.1	139.7	177.8
C	11.7	18.0	24.4	24.4	30.7	37.1	42.9
D max	16.5	22.9	29.2	29.2	35.6	41.4	47.8
E (kg)	M8 x 1.25-6H	M12 x 1.75-6H		M20 x 1.5-6H8		M24 x 2-6H	M30 x 2-6H
E (lbs)	1/4-28UNF-2B	1/2-20UNF-2B		3/4-16UNF-2B		1”-14UNS-2B	1 1/4-12UNF-2B
F	30.5	30.5	30.5	49.5	49.3	69.9	88.9
G	8.9	8.9	8.9	14.0	15.7	22.4	31.8

*3k lb version has 1/2-20UNF-2B holes.

Universal Load Cell

SPECIFICATIONS				
PARAMETER	**VALUE**			**UNIT**
Standard capacities (E_{max})	50, 100, 250, 500, 1000, 2500, 5000, 7500, 10000*			kg
Standard capacities (E_{max})	50, 75, 100, 150, 200, 250, 300, 500, 750, 1k, 1.5k, 2k, 3k, 5k, 10k, 15k, 20k			lbs
Accuracy class per OIML R-60 / NTEP	NTEP IIIL	Non-Approved	OIML C3	
Maximum no. of verification intervals (n)	10000	D3	3000	
Minimum verification intervals (V_{min})			E_{max}/9000	
Rated output (=FS)	3.0			mV/V
Rated output tolerance	0.0075			±mV/V
Zero balance	1.0			±% FSO
Combined error	0.0200	0.0300	0.0200	±% FSO
Non-repeatability	0.0100	0.0100	0.0100	±% FSO
Minimum dead load output return		0.0300	0.0165	±% applied load
Temp. effect on min. dead load output	(0.001)	(0.0015)	0.0140	±% FSO/5°C (/°F)
Temperature effect on sensitivity	(0.0008)	(0.0008)	0.0055	±% applied load/5°C (/°F)
Maximum safe overload	150			% E_{max}
Ultimate overload	250			% E_{max}
Excitation voltage	5 to 12			V
Maximum excitation voltage	15			V
Input resistance	390±15			Ω
Output resistance	350±3.5			Ω
Insulation resistance	≥5000			MΩ
Compensated temperature range	14 to +104°F	–10 to +40		°C
Operating temperature range	–65 to +200°F	–40 to +80		°C
Element material (DIN)	Stainless steel			
Sealing (DIN 40.050)	IP67			

* 10000 kg is not OIML approved

FSO—Full Scale Output

All specifications subject to change without notice.

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