

Universal Load Cell



FEATURES

- Capacities: 50 to 10,000kg (50 to 20,000lbs)
- Stainless steel construction
- Suitable for compression and tension applications
- Trimmed output versions standard
- Sealing: IP67
- Certified to OIML R-60, 3000d, NTEP class IIIIL, 10000 divisions

OPTIONAL FEATURE

- FM approved for use in potentially explosive atmosphere

DESCRIPTION

The 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 ad-

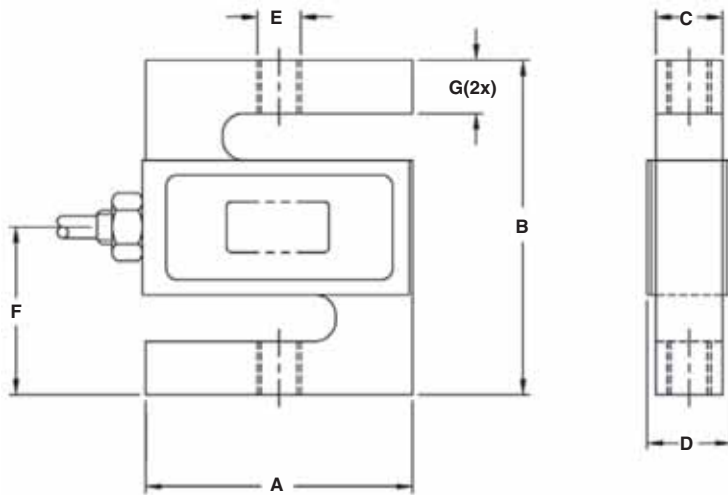
ditional mechanical protection of the strain gage area.

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

APPLICATIONS

- Suspended hoppers
- Overhead track scales
- Force measurement

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)	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		1-14UNF-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

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



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**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 IIIIL	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 over load	150			% E_{max}
Ultimate over load	250			% E_{max}
Excitation voltage	5 to 12			V
Maximum excitation voltage	15			V
Input resistance	390±15			Ω
Input resistance (Trimmed version)	390±15	430±60		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			

FSO-Full Scale Output

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