Revere



# **Universal Load Cell**

#### **FEATURES**

- Capacities 50 to 10000 kg (50 to 20k lbs)
- Nickel-plated steel construction
- Certified to NTEP class III 3000d and class IIIL 10000d
- Suitable for compression and tension applications
- Trimmed output versions available
- Sealing: IP65
- Optional
  - FM approved for use in potentially explosive atmospheres



- Suspended hoppers
- Overhead track scales
- Force measurement

#### **DESCRIPTION**

The 363 is a multi-purpose nickel-plated S-Type load cell which can be used in tension or compression.



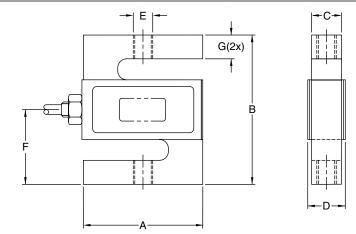




This product is suitable for a wide range of hybrid scales, overhead track scales, belt scales, and process weighing applications.

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

### **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.

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Cap (kg)	50, 100	250, 500	1000	2500	5000	7500	10000
Cap (lbs)	50-300	500–1.5k	2k, 2.5k	3k*, 5k	10k	15k	20k
Α	50.8	50.8	50.8	76.2	74.7	87.4	112.8
В	61.0	61.0	61.0	99.1	99.1	139.7	177.8
С	11.7	18.0	24.4	24.4	30.7	37.1	42.9
D <sub>max</sub>	16.5	22.9	29.2	29.2	35.6	41.4	47.8
E (kg)	M8x1.25 - 6H	M12x1.	75 - 6H	M20x1	.5 - 6H	M24x2 - 6H	M30x2 - 6H
E (lbs)	1/4 - 28UNF - 2B	½ - 20L	JNF - 2B	3⁄4 - 16UNF - 2B 1		1 - 14UNS - 2B	1¼ - 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



### Universal Load Cell

SPECIFICATIONS			
PARAMETER	VAL	UNIT	
Standard capacities (E <sub>max</sub> )	50, 100, 250, 500, 1000, 2	kg	
Standard capacities (E <sub>max</sub> )	50, 75, 100, 150, 200, 250, 2.5k, 3k, 5k, 1	lbs	
Accuracy class per NTEP	NTEP IIIL	Non-Approved	
Maximum no. of verification intervals (n)	10000		mV/V
Rated output—R.O.	3.3±	mV/V	
Rated output—R.O. (trimmed option)	3.0±0.	mV/V	
Zero balance	1.	±%FSO	
Combined error	0.0200	0.05	±%FSO
Non-repeatability	0.0100	0.0200	±%FSO
Minimum dead load output return	0.05	±% applied load	
Creep error (30 minutes)	-	0.0600	±% applied load
Creep error (20 minutes)	0.0030	0.0200	±% applied load
Temperature effect on min. dead load output	0.0090	0.0250	±% FSO/5°C
Temperature effect on sensitivity	0.0072 0.0250		±% applied load/5°C
Minimum dead load	C	% E <sub>max</sub>	
Maximum safe overload	15	% E <sub>max</sub>	
Ultimate overload	30	% E <sub>max</sub>	
Maximum safe side load	10	% E <sub>max</sub>	
Excitation, recommended	10	VDC or VAC RMS	
Excitation, maximum	1:	VDC or VAC RMS	
Input impedance	390:	Ω	
Output impedance	350:	Ω	
Insulation resistance	≥50	ΜΩ	
Compensated temperature range	–10 to	°C	
Operating temperature range	–40 to	°C	
Storage temperature range	–40 to	°C	
Element material	Nickel-plate		
Sealing	IPe		

FSO-Full Scale Output

All specifications subject to change without notice.





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