

Compression Load Cell

FEATURES

• Capacities: 50k lbs and 100k lbs

• Environmental protection: IP68 (DIN 40.050)

• Material: Stainless steel

· Hermetically sealed

Optional

 FM approved for use in potentially explosive atmospheres

APPLICATIONS

- Silo, tanks and hoppers
- Suspended silos, tanks and hoppers
- Railroad scales
- Weighbridges



The 92 canister is designed for compression applications. Its stainless steel construction combined with hermetically sealing allows the 92 to be used in harsh environments.



A large range of capacities is available.

Hermetic sealing offers excellent protection from moisture and provides long-term stability and reliability.

Cable specifications

Cable length: 12.2m (40 ft)
Excitation + Red
Excitation - Black
Output + Green
Output - White
Shield Transparent

Cable screen is not connected to the load cell body.

Capacity	50k	100k	
Α	6.00	8.50	
В	4.25	5.03	
С	1.63	2.45	
D	1.50	1.75	
E	0.10	0.10	
F	0.50	0.63	
G	1.18	1.25	
Н	1.49	2.90	
M UNF deep	3/4-16 0.56	3/4-16 0.56	
J	6.00	12.00	



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Compression Load Cell

SPECIFICATIONS				
PARAMETER	VALUE		UNIT	
	Imperial			
Capacities	50k, 100k		Ibs	
Accuracy class	Non-Approved			
Rated output (=S)	Model 92: 2±0.002	Model 93: 3±0.003	mV/V	
Zero balance	1.0		±% FSO	
Combined error	0.0500		±% FSO	
Creep error (20 minutes)	0.0300		±% applied load	
Temperature effect on zero	0.0090 (0.0010)		±% FSO/5°C (/°F)	
Temperature effect on output	0.0135 (0.0015)		±% applied load/5°C (/°F)	
Compensated temperature range	-10 to +40 (+14 to +104)		°C (°F)	
Operating temperature range	-53 to +93 (-65 to +200)		°C (°F)	
Safe load limit	150		% E _{max}	
Ultimate load	200		% E _{max}	
Safe side load limit	10		% E _{max}	
Excitation voltage recommended	10		V	
Excitation voltage maximum	15		V	
Input resistance	350±3.5		Ω	
Output resistance	350±3.5		Ω	
Insulation resistance at 50VDC	≥5000		ΜΩ	
Environmental protection	IP68			
Element material	Stainless steel			

FSO-Full Scale Output

Mounting:

Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available upon request.

All specifications subject to change without notice.



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