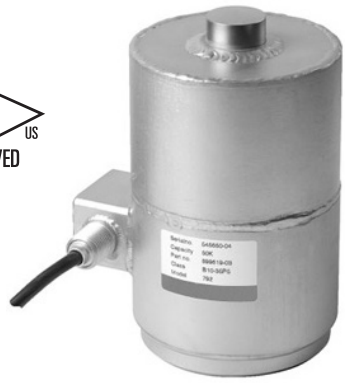
Compression Load Cell

FEATURES

- Capacities: 50k to 200k lbs
- Certified to NTEP class IIIL, 10000 divisions
- Environmental protection: IP68 (DIN 40.050)
- Material: Stainless Steel
- Hermetically sealed—IP68
- **Optional**
  - FM approved for use in potentially explosive atmospheres



APPLICATIONS

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

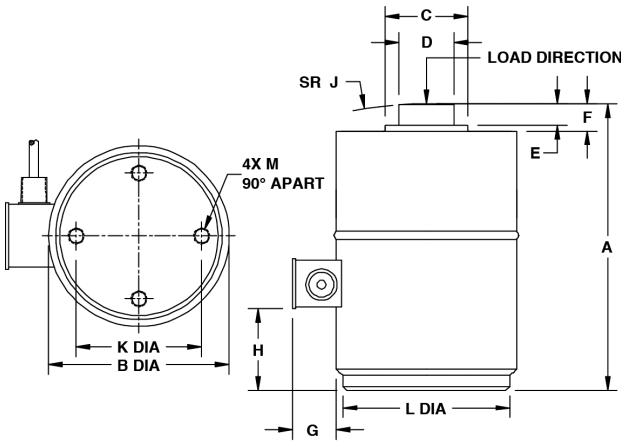
DESCRIPTION

The 792 canister is designed for compression applications. Its stainless-steel construction combined with hermetic sealing allows the 792 to be used in harsh environments.

The 792 is built for heavy capacity weighing applications where accuracy and reliability are required over long periods of time.

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

OUTLINE DIMENSIONS in inches



Cable specifications

Cable length:	10.7m (35ft)
Excitation +	Green
Excitation –	Black
Output +	White
Output –	Red
Shield	Transparent

Cable screen is not connected to the load cell body.

Capacity	50k	100k	200k
A	7.50	9.13	11.63
B	4.50	5.75	7.50
C	1.77	2.65	3.15
D	1.25	1.75	2.50
E	0.58	0.88	0.80
F	0.75	1.05	0.97
G	1.25	1.40	1.34
H	1.12	1.33	2.53
J	6.00	12.00	12.00
ØK	2.38	4.00	5.50
L	4.18	5.31	6.81
ØM	3/8-24 UNF-2B	1/2-20 UNF-2B	5/8-18 UNF-2B

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Compression Load Cell

SPECIFICATIONS			
PARAMETER	**VALUE**		**UNIT**
Standard capacities (E_{max})	50k, 100k, 200k		lbs
Metric equivalents	22.7, 45.4, 91		T
Accuracy class according to NTEP	NTEP IIIL	Non-Approved	
Maximum no. of verification intervals (n)	10000		
Rated output (=S)	2		mV/V
Rated output tolerance	0.002		±mV/V
Zero balance	10.0		±% FSO
Combined error	0.0200	0.1000	±% FSO
Non-repeatability	0.0100	0.0200	±% FSO
Creep error (20 minutes)	0.0300	0.0500	±% applied load
Temperature effect on minimum dead load output	0.0009 (0.0010)	0.0140	±% FSO/5°C (/°F)
Temperature effect on sensitivity	0.0072 (0.008)	0.0070	±% applied load/5°C (/°F)
Maximum safe overload	150		% E_{max}
Ultimate overload	300		% E_{max}
Maximum safe side load	10		% E_{max}
Minimum dead load	1000		lbs
Excitation voltage	10		V
Maximum excitation voltage	15		V
Input resistance	350±3.5		Ω
Output resistance	350±3.5		Ω
Insulation resistance	≥5000		MΩ
Compensated temperature range	–10 to +40 (+14 to +104)		°C (°F)
Operating temperature range	–40 to +80 (–65 to +200)		°C (°F)
Element material (DIN)	Stainless steel		
Sealing (DIN 40.050 / EN60.529)	IP68		

FSO—Full Scale Output

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.

CERTIFICATION MARKINGS

FM Approval Markings (USA and Canada)

IS Class I, II, III, Division 1, Groups A, B, C, D, E, F and G;
NI Class I, Division 2, Groups A, B, C, and D;
DIP Class II, III, Division 2, Groups F and G;
T4;
Ta = -25°C to +40°C;

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