

AVAILABLE
with Signature
Calibration
SEE PG. IN-5

Ultra Precision Compression Canister Load Cell

Model WG

0.03% LINEARITY & HYSTERESIS

10,000-500,000 lbs.

WELDED STAINLESS



PERFORMANCE

Load Ranges	10,000 to 500,000 lbs.
Linearity	0.03%*
Hysteresis	0.03%*
Non-Repeatability (max)	±0.01% F.S.
Output	2mV/V
Resolution	Infinite
Creep (max)	.03% (20 min.)

ENVIRONMENTAL

Temperature, Operating	-30° to 185° F
Temperature, Compensated	60° to 160° F
Temperature Effect	
- Zero (max)	.0015% F.S./° F
- Span (max)	.0008% Rdg./° F

ELECTRICAL

Strain Gage Type	Bonded Foil
Excitation (calibration)	10VDC
Bridge Resistance	350 ohms
Wiring Code (std)	#2 (See Pg. AP-6)
Electrical Termination (std)	MS3102E-14S-6P
Mating Connector (not incl.)	MS3106A-14S-6S

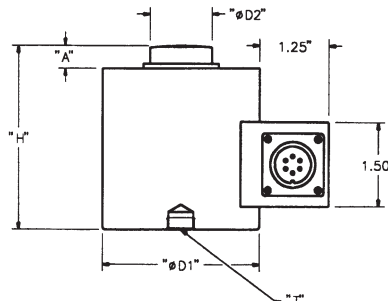
MECHANICAL

Static Overload Capacity	50% over capacity
Casing Material	Stainless steel
Deflection—Full Scale	.0031"
*0.05% at ranges ≥ 75,000 lbs.	

Dimensions

Model WG (Order Code BL125)

Ranges	D1"	H"	T"	A"	D2"
10,000; 15,000; 25,000; 50,000 lbs.	2.88 (7.32 cm)	3.25 (8.26 cm)	1/2-20 UNF-2B	.40 (1.02 cm)	1.25 (3.18 cm)
100,000 lbs.	4.12 (10.46 cm)	5.00 (12.70 cm)	3/4-16 UNF-2B	.51 (1.30 cm)	2.31 (5.87 cm)
200,000; 300,000 lbs.	6.00 (15.24 cm)	7.25 (18.42 cm)	3/4-16 UNF-2B	1.04 (2.64 cm)	3.13 (7.95 cm)
500,000 lbs.	6.50 (16.51 cm)	9.00 (22.86 cm)	3/4-16 UNF-2B	.56 (1.42 cm)	3.69 (9.37 cm)



Options (See Appendix)

Temperature compensated 1b, 1c; Electrical termination 6a, 6e, 6f, 6g, 6h, 6i, 6j; Int. shunt cal 8a; Signature calibration 53e

Premium Options: 9a, 9b

Accessories: Mating connectors and connector/cable assemblies