Subminiature Load Cells
Model LFH-7I (Top Hat)

250-10,000 LBS

STAINLESS STEEL

Model LFH-7I
Compression Only

Model LFH-7I Subminiature Load Cell is a low profile force transducer for applications with minimal space and high capacity requirements. This transducer utilizes foil strain gages to measure compression loads of up to 10,000 lbs. and achieves non-linearity and hysteresis of +/- 0.5% full scale. The top of the load cell is the area where the force is applied and the base ring of the load cell must be placed on a hard, machine-ground flat surface to obtain optimum accuracy.
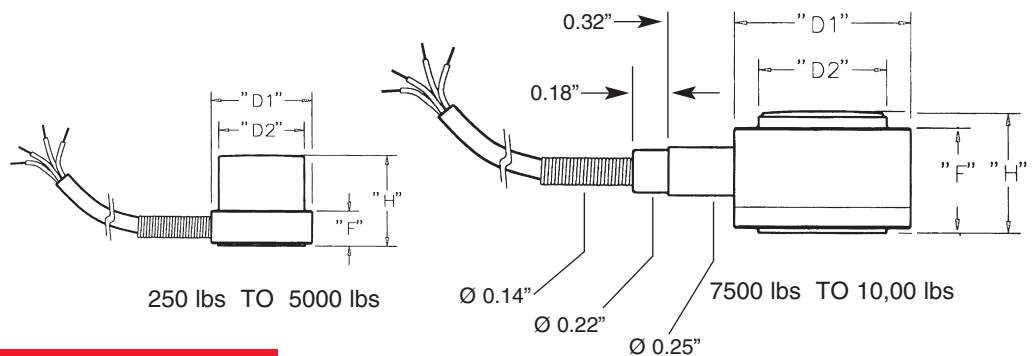
SPECIFICATIONS

Model LFH-7I
(Compression Only)
Order Code BL351

Load Ranges	250 to 10,000 lbs.
Overall Accuracy	±0.7% F.S.
Output..	1.5mV/V-2.5mV/V
Temperature, Operating	-65° F to 250° F
Temperature, Compensated	60° F to 160° F
Temperature Effect	
– Zero (max)............................	.01% F.S./° F
– Span (max)............................	.01% Rdg./° F
Excitation (calibrated)..................	5VDC
Bridge Resistance	350 ohms
Wiring Code (std)	#1 (See Pg. AP-8)
Electrical	
Termination (std)	Cable (5 ft.)
Overload, Safe	50% over capacity
Deflection—Full Scale	.001"-.003"

Dimensions

Top Hat Model LFH-7I (Order Code BL351)

Available Ranges	D1" Dia.	D2" Dia.	H"	F"
250 lbs.	.50 (1.27 cm)	.22 (.69 cm)	.38 (.97 cm)	.13 (.33 cm)
500 lbs.	.50 (1.27 cm)	.28 (.71 cm)	.38 (.97 cm)	.13 (.33 cm)
1000 lbs.	.50 (1.27 cm)	.31 (.79 cm)	.38 (.97 cm)	.13 (.33 cm)
2000 lbs.	.50 (1.27 cm)	.41 (1.04 cm)	.38 (.97 cm)	.13 (.33 cm)
3000 lbs.	.50 (1.27 cm)	.45 (1.14 cm)	.38 (.97 cm)	.13 (.33 cm)
4000 lbs.	.63 (1.60 cm)	.49 (1.24 cm)	.60 (1.52 cm)	.23 (.58 cm)
5000 lbs.	.63 (1.60 cm)	.53 (1.35 cm)	.60 (1.52 cm)	.23 (.58 cm)
7500 lbs.	.88 (2.24 cm)	.63 (1.60 cm)	.63 (1.60 cm)	.54 (1.37 cm)
10,000 lbs.	.88 (2.24 cm)	.63 (1.60 cm)	.63 (1.60 cm)	.54 (1.37 cm)

250 lbs TO 5000 lbs

0.32"
0.18"
Ø 0.14"
Ø 0.22"
Ø 0.25"
7500 lbs TO 10,00 lbs

Options (See Appendix)

Temperature compensated 1b, 1f

* Bridge resistance is 700 ohms on ranges > 5000 lbs.

1-800-848-6564

Honeywell
Sensotec Sensors

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