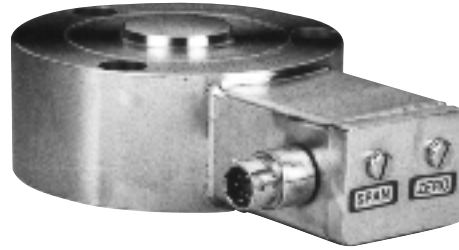


# High Output Pancake Style Compression Load Cells

Models 43a, 73a



WELDED STAINLESS STEEL

ZERO & SPAN ADJUSTMENTS



CENELEC APPROVED



APPROVED INTRINSICALLY SAFE AMP

Model 43a & Model 73a high output compression type load cells include all the features of the Models 43 & 73 plus the option of either voltage or current output. These load cells are of all welded stainless steel construction with hermetic welded-on electrical connectors. The high level  $\pm 5$ , 10 Vdc or 4-20mA outputs are standard with zero and span adjustments with gasketed cap screw covers. Options include certifications for use in hazardous area, an internal buffered shunt calibration circuit for ease of set-up with an associated indicator, and the removal of zero & span adjustments for tamper free installations, and a variety of electrical terminations.

PERFORMANCE

	Model 43a Order Code AL143	Model 73a Order Code BL173
Ranges*.....	0-50 to 0-200,000 lbs.	0-50 to 0-100,000 lbs.
Accuracy		
Non-linearity .....	$\pm 0.1\%$ F.S.	$\pm 0.1\%$ F.S.
Hysteresis.....	$\pm 0.08\%$ F.S.	$\pm 0.1\%$ F.S.
Non-repeatability .....	$\pm 0.03\%$ F.S.	$\pm 0.03\%$ F.S.
Outputs.....	See Below	

ENVIRONMENTAL

Operating Temperature Range ....	0°F to 185°F	
Temperature Effects on Zero & Span	$\pm 0.01\%$ F.S./°F	

ELECTRICAL

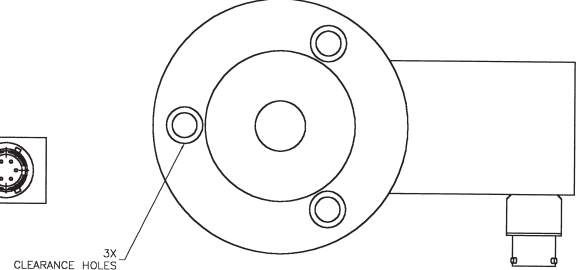
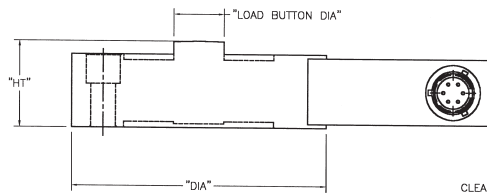
Electrical Termination.....	PTIH-10-6P or equiv. (Hermetic stainless) Mating Connector Order Code AA111	
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MECHANICAL

Operation.....	10°, Unidirectional	10°, Unidirectional
Case Material .....	Welded Stainless Steel	Welded Stainless Steel

\*Special Ranges available from 5 to 500,000 lbs. Contact Sensotec sales for details.

## Dimensions



**Model 43a**  
Precision

**Model 73a**  
Fatigue Rated

**Available Ranges**  
50; 100; 250; 500; 1000 lbs.

**Available Ranges**  
50; 100; 250; 500 lbs.

**Dia. Ht.**  
3.00 1.18

**Load Button Dia. Three Clearance Holes for Mounting\* Socket Head Cap Screws**

2000; 3000; 4000; 5000 lbs.  
7500; 10,000; 15,000;  
20,000; 30,000; 50,000;  
75,000; 100,000 lbs.  
150,000; 200,000 lbs.

1000; 2000 lbs.  
3000; 4000; 5000;  
7500; 10,000; 15,000;  
20,000; 30,000; 50,000 lbs.  
75,000; 100,000 lbs.

3.50 1.18  
4.50 2.00  
4.50 2.00  
4.50 2.00  
5.50 2.50

0.56"  
1/4  
\*3.0 dia. cell has 6 mounting holes  
5/16"  
3/8"  
3/8"  
3/8"  
3/8"

**Specify Output:**  
**Output/Options**  
See pages AP-6 & 7 for details

**Voltage/Option**  
0  $\pm$  5 Vdc/2c  
0  $\pm$  10Vdc/2t

**Current/Option**  
4-20mA/2k (2 wire)  
4-20mA/2N (IS 2 wire)\*\*  
4-20mA/2j (3 wire)

**Enhancement Options**  
Remote Shunt calibration/3d  
\*\*Load cell height increases for this option with 3.00" & 3.50" O.D.

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