

The JALH multi-column load cell is ideal for measurement of high loads. Available in capacities of 10-100 klbs.



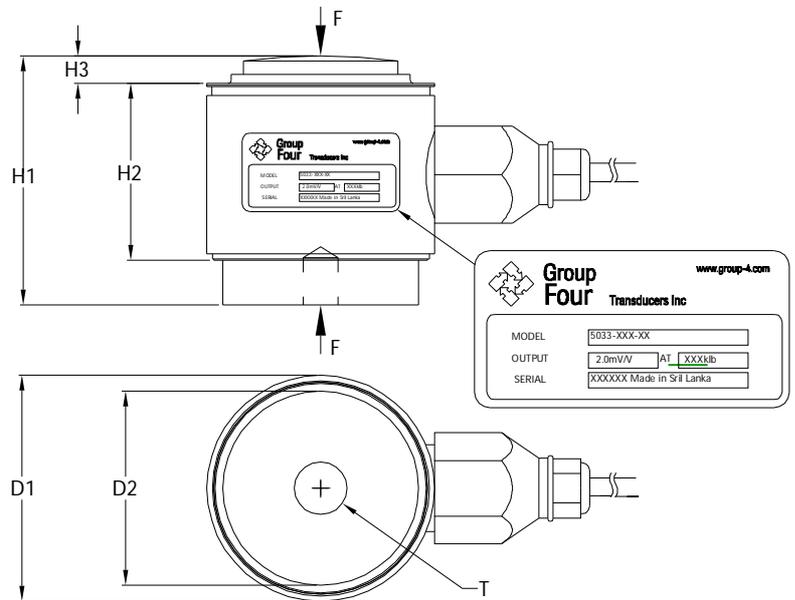
FEATURES

- Capacities from 10klb to 100klb.
- Stainless steel construction.
- Environmental Protection IP69.
- Rotation test is done for 0°,120°,240° and 360°.
- Load cells are supplied with calibration certificates as per ASTM E74.

APPLICATIONS

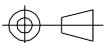
- Aircraft weighing.
- Tank weighing.
- Truck scales.

OUTLINE DIMENSIONS



Capacity(klb)	H1	H2	H3	D1	D2	T
10	3.25 [82.6]	2.29 [58.2]	0.36 [9.1]	2.95 [74.8]	2.53 [64.3]	1/2-20UNF, 0.6[15.2]DP.
25	3.25 [82.6]	2.29 [58.2]	0.36 [9.1]	2.95 [74.8]	2.53 [64.3]	1/2-20UNF, 0.6[15.2]DP.
50	3.00 [76.2]	2.29 [58.2]	0.12 [2.9]	2.95 [74.8]	2.53 [64.3]	3/4-16UNF, 0.6[15.2]DP.
100	3.75 [95.3]	2.97 [75.3]	0.45 [11.4]	4.02 [102.0]	3.55 [90.2]	3/4-16UNF, 0.6[15.2]DP.

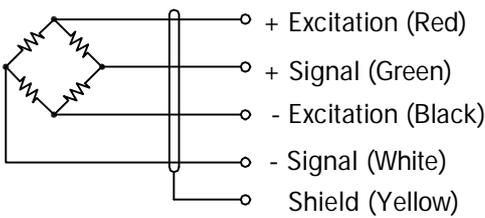
- Notes:
- All dimensions : in[mm].
 - Shown loading direction is for positive output.



column load cell
JALH
5033



WIRING



Cable : 20 AWG, 4 Conductor black cable with shield.

SPECIFICATIONS

Model	JALH				
Capacities	klb	10	25	50	100
Full scale output (FS)	mV/V	2.0±0.1%			
Non-linearity	%FS	≤±0.03			
Hysteresis	%FS	≤±0.03			
Creep @ 30min	%FS	≤±0.02			
Zero balance	%FS	≤±5			
Temperature effect					
	Output	%FS/10°C	≤±0.04		
	Zero	%FS/10°C	≤±0.04		
Temperature range					
	Compensated	°C	-10 ...+40	-10 ...+40	-10 ...+40
	Operating	°C	-20 ...+65	-40 ...+80	-20 ...+80
Terminal resistance					
	Input resistance	Ω	1150±50	420±50	
	Output resistance	Ω	1050±50	350±5	
Excitation voltage	VDC	5 ...15			
Insulation resistance @ 50V DC	MΩ	≥5000			
Safe overload limit	%FS	175	150	120	
Ultimate load	%FS	190	160	130	
Cable length	inch	24			
Seal type	IP69				
Element material	Stainless steel				

PART NUMBERS

Capacity(klb)	Part No.
10	5033-000-01
25	5033-001-01
50	5033-003-01
100	5033-002-01

Dimensions and specifications subject to change without notice



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