

# ALP-751

## PIN LOAD CELL



### DESCRIPTION :

ALP-751 Pin load cells are used to measure the load on a pin.

This includes shackle pin, clevis pins & pulley shafts.

### APPLICATIONS :

- Elevator, Hoists & Crane load measurement
- Tow bar Connection
- Rail road coupling
- Rope/Cable tension measurement by inserting a D-Shackle pin
- Marine shackle pin for mooring testing

### KEY FEATURES :

- Very easy to install & is very accurate.
- Stainless Steel construction
- Standard output 1.0 mV/V
- Customised Load Pin available on request
- Optionally Available for High Temperature Application

### SPECIFICATIONS :

Rated capacity (Tonf)	: 0.5, 1, 2, 3, 5, 10, 20, 30, 50
Excitation Voltage	: 10VDC-Maximum 15 VDC
Rated Output	: 1.0 mV/V
Non – Linearity	: < $\pm 0.5\%$ FSO (Full scale Output)
Hysteresis	: < $\pm 0.3\%$ FSO
Non-Repeatability	: < $\pm 0.2\%$ FSO
Creep error (30 minutes)	: < $\pm 0.10\%$ FSO
Zero Load Output	: $\pm 1.0\%$ FSO
Input Resistance	: $770 \pm 20$ Ohms
Output Resistance	: $700 \pm 5$ Ohms
Insulation Resistance	: > 1000 Mega Ohms
Cable Length	: 5 meters
Safe Overload	: 100 % of Rated Capacity
Ultimate Overload	: 200 % of Rated Capacity
Temperature	: 0 to 60° C
Compensated Range	
Temperature Effect on Output	: < 0.005 % FSO/° C
Temperature Effect on Zero	: < 0.005 % FSO/° C
Deflection	: < 0.4 mm at FSO
Finish & Construction	: Stainless steel 17-4 PH
Environment Protection	: IP 65



## ADI CONTROLS

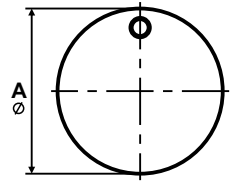
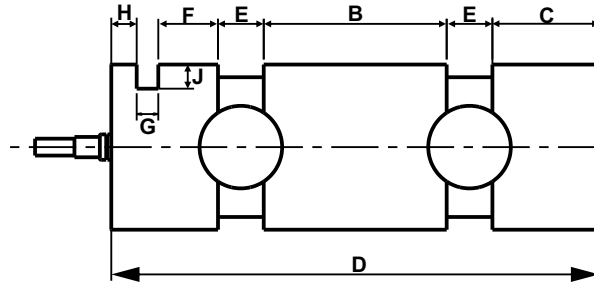
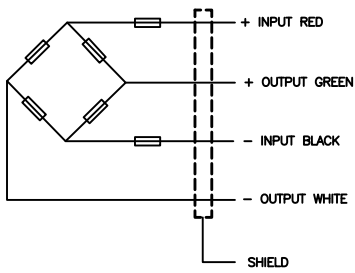
1B,1C POR INDUSTRIAL PARK  
BEHIND SAHYOG HOTEL  
POR 391243 DIST VADODARA (INDIA)

[www.adicontrols.com](http://www.adicontrols.com)

Email : [sales@adicontrols.com](mailto:sales@adicontrols.com)

Customer Care : +91 9328579990

**Electrical Termination**



CAPACITY Tf	A	B	C	D	E	F	G	H	J
0.5, 1, 2	25	23	21	81	8	9.5	6.5	5	4.5
3, 5	35	37	26.5	110	10	13	6.5	7	6
10	50	52	38.5	157	14	20	8.5	10	7
20	65	72	42	192	18	23.5	8.5	10	9.5
30	75	82	53.5	225	18	31	10.5	12	10.5
50	85	97	61.5	260	20	39	10.5	12	12



**ADI CONTROLS**

1B,1C POR INDUSTRIAL PARK  
BEHIND SAHYOG HOTEL  
POR 391243 DIST VADODARA (INDIA)

[www.adicontrols.com](http://www.adicontrols.com)

Email : [sales@adicontrols.com](mailto:sales@adicontrols.com)

Customer Care : +91 9328579990