

APT-961

UNIVERSAL PAN CAKE LOAD CELL



DESCRIPTION :

APT-961 is a low profile design for tensile & compression force measuring.

APPLICATIONS :

- Material testing
- Force Calibration
- Robotics
- Static & Dynamic Measurement

KEY FEATURES :

- Wide capacity range from 50 kgf to 450 tonf
- Alloy Tool Steel construction
- High Environment Protection
- Optionally Available for High Temperature Application

SPECIFICATIONS :

Rated capacity (Kgf)	: 50, 100, 200, 300, 500, 750
(Tonf)	: 1, 1.5, 2, 3.5, 7.5, 10, 15, 20, 30, 40, 50, 60, 75, 100, 150, 200, 300, 450
Excitation Voltage	: 10VDC-Maximum 15 VDC
Rated Output	: 2.0 mV/V
Non – Linearity	: $< \pm 0.1\%$ FSO (Full scale Output)
Hysteresis	: $< \pm 0.15\%$ FSO
Non-Repeatability	: $< \pm 0.1\%$ FSO
Creep error (30 minutes)	: $< \pm 0.04\%$ FSO
Zero Load Output	: $\pm 1.0\%$ FSO
Input Resistance	: 390 ± 10 Ohms up to 1T 770 ± 20 Ohms 2T & Above
Output Resistance	: 390 ± 10 Ohms up to 1T 700 ± 7 Ohms 2t & Above
Insulation Resistance	: > 1000 Mega Ohms
Side Load Allowed	: 50 % of Rated Capacity
Safe Overload	: 150 % 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	: Electroless Nickel Plated Tool Steel. Stainless Steel available optionally.
Environment Protection	: IP 65



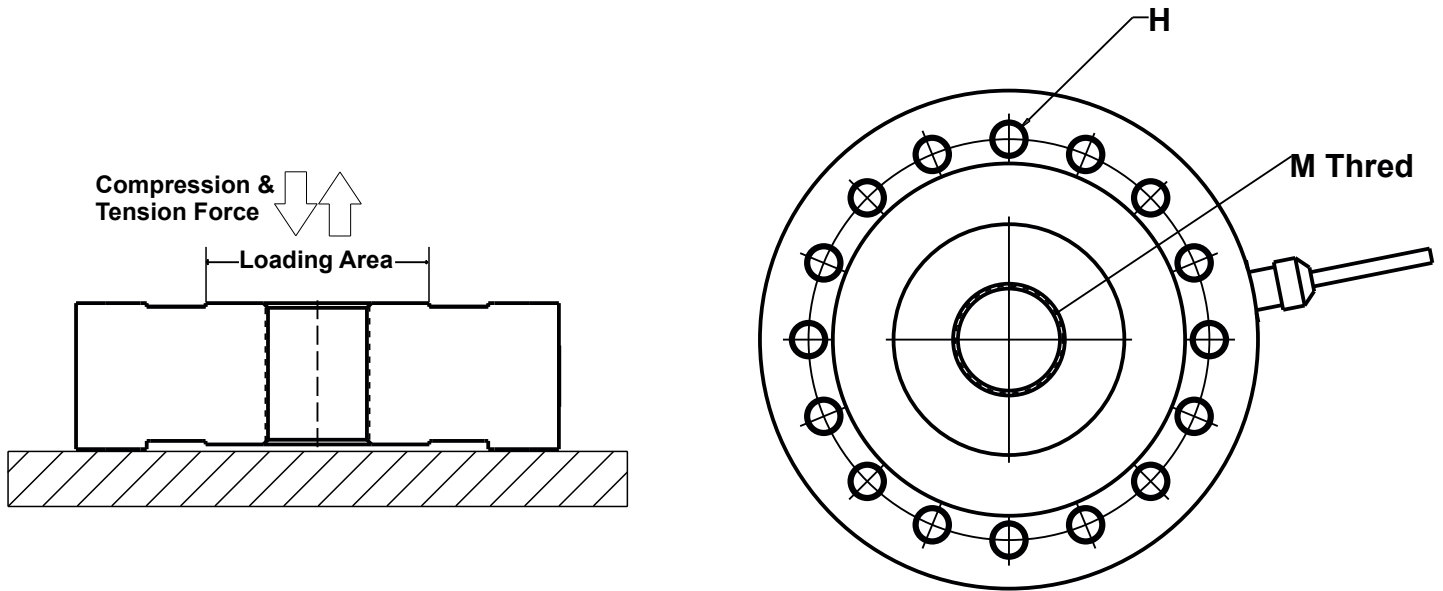
ADI CONTROLS

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

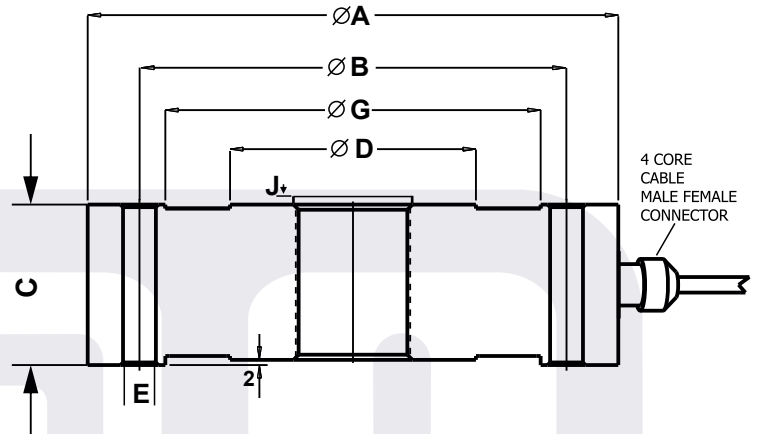
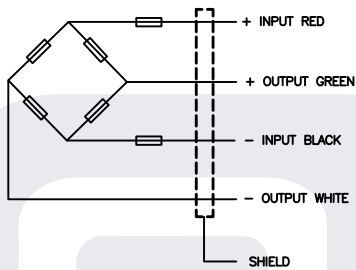
www.adicontrols.com

Email : sales@adicontrols.com

Customer Care : +91 9328579990



Electrical Termination



CAPACITY Tf	A	B	C	J	D	G	E DIA X H PLCS.	M Thread
0.05, 0.1, 0.2, 0.5, 0.75, 1, 1.5, 2, 3	50	42	24	1	15	33	4.2 X 4	12 X 1.25
1.5, 2, 3, 5	90	70	29	2	23	58	6.2 X 8	16 X 1.5
7.5, 10, 15	115	90	39	2	42	75	10.4 X 8	30 X 2
20, 30	155	125	49	2	61	103	12.7 X 8	39 X 2
40, 50, 60	205	165	59	3	95	145	12.7 X 16	42 X 2
75, 100	280	250	70	5	125	210	16.5 X 16	72 X 2
150, 200	305	270	80	10	142	243	21 X 16	90 X 3
300	395	350	100	20	187	308	21 X 32	120 X 4
400, 450, 500	450	390	120	30	245	330	25 X 32	150 X 4



ADI CONTROLS

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

www.adicontrols.com

Email : sales@adicontrols.com

Customer Care : +91 9328579990