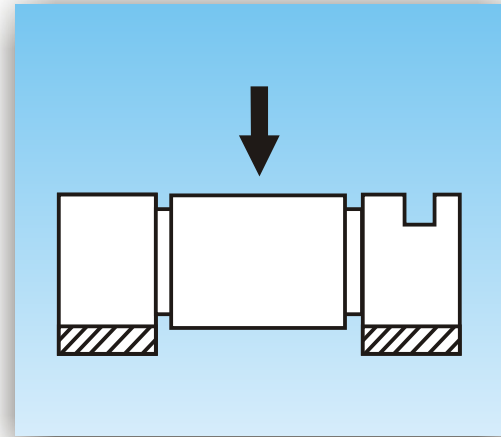


model

70510

PIN LOAD CELL



FEATURES :

- ❖ 500 Kg to 50 Tf capacities offered.
- ❖ Complete environmental protection IP65 class.
- ❖ Standard output 1.0 mV/V available.
- ❖ Hardened stainless steel construction.
- ❖ Can be provided as per customer's required dimensions.

APPLICATIONS :

- ❖ Elevator, Hoist and Crane load monitor.
- ❖ Rope/cable tension measurement by inserting as D-shackle pin.
- ❖ Tow bar connection.
- ❖ Conveyor belt.
- ❖ Clevis pin, pulley and roller shafts can be replaced by load pin to monitor the load.
- ❖ Front end loader.
- ❖ Rail road coupling.
- ❖ Portable dynamometer.
- ❖ Process and automation.



ADI ARTECH
TRANSDUCERS PVT. LTD.

A Joint venture with
ARTECH INDUSTRIES INC., U.S.A.

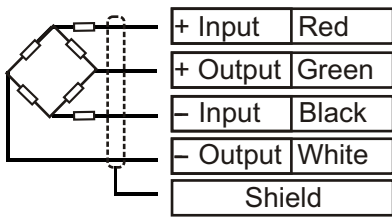
DESCRIPTION :

- ❖ 70510 pin load cells are used where pins or large bolts would generally be carrying the load. Typically this will include shackle pin, clevis pins and pulley shafts.
- ❖ This is constructed from heat treated stainless steel, suitable for food industries and harsh corrosive environment.
- ❖ Load pin is provided with slot for keeper plate for load directions, anti rotations and retaining purposes.
- ❖ Double ended shear beam axle design.

PERFORMANCE SPECIFICATION :

Standard Capacities (Tf.)	: 0.5,1,2,3,5,10,20,30,50
Excitation Voltage	: 10 VDC - Maximum 15 VDC
Nominal Output	: 1.0 mV/V
Non - Linearity	: < ± 0.1 % FSO (Full Scale Output)
Hysteresis	: < ± 0.1 % FSO
Non-Repeatability	: < ± 0.1 % FSO
Creep (30 minutes)	: < ± 0.03 % FSO
Input Resistance	: 770 ± 20 Ohms
Output Resistance	: 770 ± 7 Ohms
Insulation Resistance (50VDC)	: > 1000 Mega Ohms
Safe overload	: 100%
Ultimate Overload of Rated	: 200 %
Allowable Side Load	: 50%
Temp. Compensated Range	: 0-60 °C
Temp. Effect on Output	: < 0.04 % FSO/ °C
Temp. Effect on Zero	: < 0.04 % FSO/ °C
Deflection	: < 0.5 mm at FSO
Material of Construction	: Stainless Steel-17-4 PH
Environmental Protection Class	: IP65

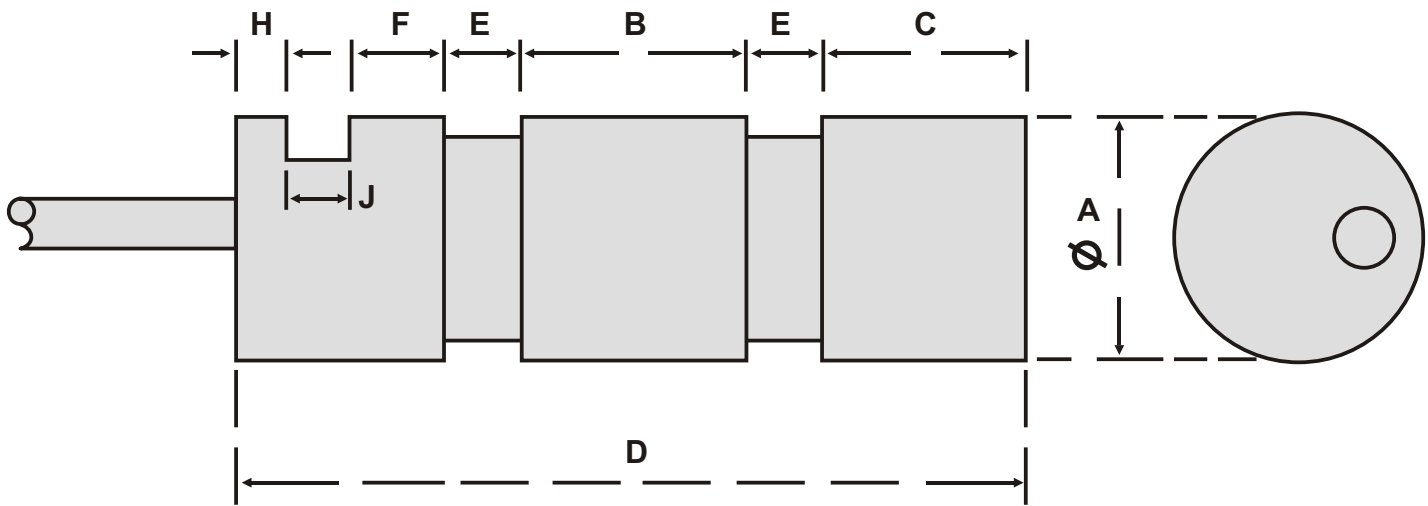
ELECTRICAL TERMINATION



4 CORE SCREENED CABLE

Capacity Tf	A dia.	B	C	D	E	F	G	H	J	Cable Mtr.
0.5,1,2	25	23	21	81	8	9.5	6.5	5	4.5	5
3,5	35	37	26.5	110	10	13	6.5	7	6	5
10	50	52	38.5	157	14	20	8.5	10	7	7.5
20	65	72	42	192	18	23.5	8.5	10	9.5	7.5
30	75	82	53.5	225	18	31	10.5	12	10.5	10
50	85	97	61.5	260	20	39	10.5	12	12	10

All dimensions are in mm.



ORDER INFORMATION :

ADI ARTECH is dedicated in maintaining adequate inventories of its Load Cells to provide the best service in the industry.

Order by the model number and indicate the capacity required.

Specifications are subject to change without notice

	Manufactured by :	917/1, G.I.D.C. ESTATE, MAKARPURA, VADODARA - 390 010 (INDIA)
	ADI ARTECH	Phone : 2655083/2651023
	TRANSDUCERS PVT. LTD.	FAX : (91) 0265-2638751
	A Joint venture with ARTECH INDUSTRIES INC., U.S.A.	E-mail : sales@adiartech.com artechad1@sancharnet.in
		Website : www.adiartech.com

QUALITY * PERFORMANCE * SERVICE
“A PREFERRED NAME IN LOAD CELL TECHNOLOGY”