

## Load Pin

### Low Profile Load Pin

**RUDRRA SENSOR**

The load cell Technology



#### Product Description

Measurement is the important base of all engineering calculation and Rudrra Sensor is there to help you by manufacturing and supplying precise Crane Scale Load Cell. The company is experienced over the years. In addition, these types of load cell pins are also known as the low profile load cell.

Generally, this Load pins are used for measuring force acting on a clevis joint pin-you can Replace the normal pin with our load measuring load pins. We can customize this load pins for your mechanical mounting and load electrical parameter requirement. Due to superior material selection and world class processing the endurance cycle repeatability and durability of product is guaranteed

#### Applications

- \* Crane scale and hanging
- \* Force measurement tension dynamometer
- \* Material handling equipment
- \* Pharma & Construction machinery

#### Key Features

- \* The device is portable and light in weight
- \* It can be designed according to your dimensional needs
- \* It is manufactured with high alloy tool steel to enhance the resistivity and shock

#### Optional :

- \* Digital Load cell
- \* Stainless steel structure
- \* Customized available



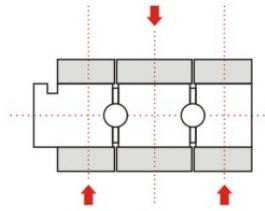
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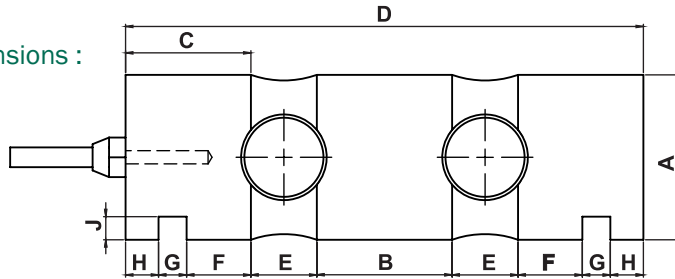
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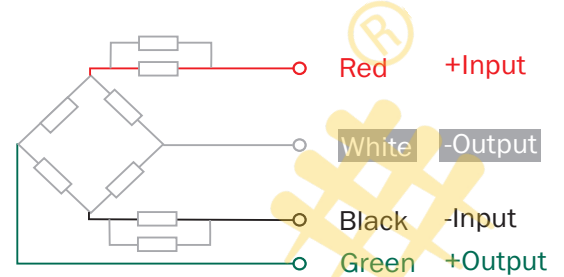
Load Application Layout :



Dimensions :



Cable Connection Details :



Capacity	A	B	C	D	E	F	G	H	J
500 KG, 1000 KG	25	19	19	81	12	6.5	6.5	6	4.5
2T,3T,5T	35	31	23.5	110	16	10	6.5	7	6
10T, 15T	50	41	38	157	20	19.5	8.5	10	7
20T	65	66	39	192	24	20.5	8.5	10	9.5
30T	75	76	50.5	225	24	28	10.5	12	10.5
50T	85	91	58.5	260	26	36	10.5	12	12
100T	100	100	76	328	38	53.5	10.5	12	14

\* All dimension are in mm

### Parameters : (Analog Load Cell)

Related Load (kg.) 500 / 1000 / 2T / 3T / 5T / 10T / 15T / 20T / 30T / 50T / 100T			
Precision	C1	Insulation Resistance(MΩ)	≥ 5000(100VDC)
Composition Error	0.05	Excitation Voltage (V)	(V)5~15 (DC)
Rated Output (mv/v)	1.0±0.003	Compensated temp. Range (°C)	-10~+40
Non-Linearity (%FS)	0.05	Use Temp. Range (°C)	-20~+60
Hysteresis (%FS)	0.02	Temp. Effect on Zero (%FS/10°C)	0.03
Repeatability (%FS)	0.02 / 0.01	Temp. Effect on Span (%FS/10°C)	0.03
Creep (%FS/30min)	0.03 / 0.05	Safe Overload (%FS)	150
Zero Balance (%FS) ±	12.0	Ultimate Overload (%FS)	300
Input Resistance (Ω)	390 ± 10	Defend Grade	IP67
Output Resistance (Ω)	350 ± 10	Cable	6mm, 5mtr

