

RSL 803

Single Ended Shear Beam Load Cell

RUDRRA SENSOR

The load cell Technology



Product Description

Rudrra sensor is the most experienced, trusted and recommended single ended shear beam load cell manufacturer and supplier among the all due to unmatched product quality, bottom prices and best customer support. This RSL 803 model specially designed for the tough relevance like truck scale, it is capable to work in different environmental conditions without any difficulties. This is fabricated from the high grade stainless steel and supreme quality raw material. It is suitable for all high capacity weighting applications. The clients can avail it in different sizes with suitable capacity as shown in the below table, furthermore the all technical details about it, is given in the below table and figures.

Applications

- * Electronic platform scale
- * Vehicle scale
- * Railroad scales
- * Tank weighing
- * Hopper weighing etc...

Key Features

- * Alloy steel construction and hermetically sealed by welding to IP67 & IP68
- * Full range of capacities,
- * Simple construction.

Optional :

- * Digital Load cell
- * Stainless steel structure
- * Load Cell mounting assembly



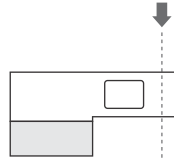
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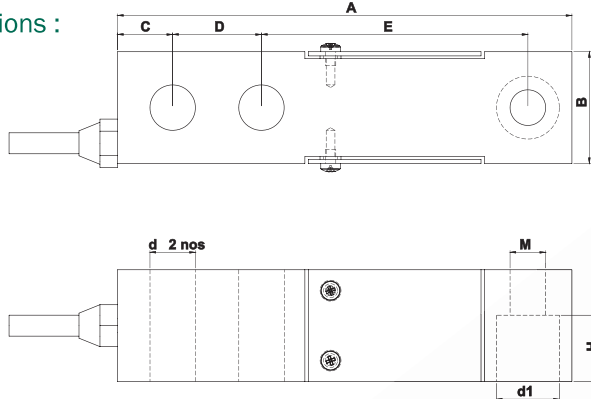
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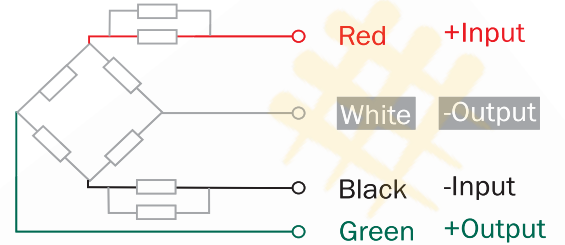
Load Application Layout :



Dimensions :



Cable Connection Details :



Rated Load (Kg)	A	B	C	D	E	M	d2	d1
50 Kg to 2000 Kg	130	32.0	15.8	25.4	76.2	M12*1.75	18	13
3000 Kg to 5000 Kg	171.5	38.0	19.8	38.1	95.3	M18*1.5	20	20
10000 Kg	225.5	50.8	25.3	50.8	124	M24*2	27	27

* All dimension are in mm

Parameters : (Analog Load Cell)

Related Load (kg.) 50 / 100 / 200 / 300 / 500 / 750 / 1T / 2T / 3T / 5T / 10T			
Precision	C2 / C3	Insulation Resistance(MΩ)	≥ 5000(100VDC)
Composition Error	± 0.03 / 0.02	Excitation Voltage (V)	5~15 (DC)
Rated Output (mv/v)	3 ± 0.015	Compensated temp. Range (°C)	-10~+40
Non-Linearity (%FS)	0.03 / 0.02	Use Temp. Range (°C)	-20~+55
Hysteresis (%FS)	0.03 / 0.02	Temp. Effect on Zero (%FS/10°C)	0.019
Repeatability (%FS)	0.02 / 0.01	Temp. Effect on Span (%FS/10°C)	0.011
Creep (%FS/30min)	0.03 / 0.02	Safe Overload (%FS)	120
Zero Balance (%FS)	± 1	Ultimate Overload (%FS)	150
Input Resistance (Ω)	350 ± 5	Defend Grade	IP67 / 68
Output Resistance (Ω)	350 ± 3	Cable	4mm, 3mtr

