

RSL 301

S-Beam Load Cell



Product Description

The S type Load Cell (RSL 301) is one of the best products of Rudrra you can count upon. The features of the product manufactured by the expert engineers at Rudrra are at par with the international standards and the best part is that all the advanced technologies are embedded into one. The following features of the S Beam Load Cell (RSL 301) are sure to convince you that this is one of the best in the industry:

- * Different capacities from 10 kg to 5,000kg.
- * This easy functioning product can be applied in both tension and compression.
- * The product is sealed in glue while the welding has been done keeping in mind the IP67 as well as IP68 standards.
- * The product has been designed with alloy steel finish which calls for its sturdiness and durability.
- * You can easily install it at your workplace for the best performances every time.
- * The product is suitable for applications such as tank and hopper weighing, and it can also be used as a machine that tests tension or compression load.

Applications

- * Suitable for Hanging scale
- * Tension testing machine
- * Vibratory feeding equipment
- * Tank weighing, hopper weighing etc.

Key Features

- * Alloy steel construction
- * Glue sealing and welding to IP67 & IP68
- * Easy to install and use for both tensile and compression application

Optional :

- * Digital Load cell
- * Stainless steel structure
- * Self aligned rod end bearing for hanging application

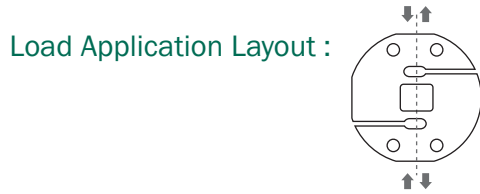


RSL 301

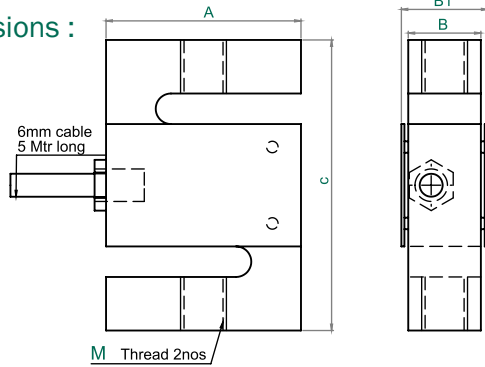
S-Beam Load Cell

RUDRRA SENSOR

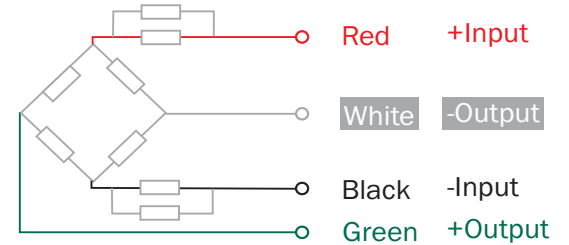
The load cell Technology



Dimensions :



Cable Connection Details :



| MODEL | CAPACITY | A | B | B1 | C | M |
|-------|------------------|-----|----|----|-----|----------|
| 301 | 50KG TO 300KG | 51 | 19 | 21 | 76 | M12*1.75 |
| | 450KG TO 1500KG | 51 | 19 | 19 | 76 | M12*1.75 |
| | 2000KG TO 5000KG | 76 | 28 | 28 | 100 | M18*1.5 |
| 301A | 10KG TO 50KG SS | 51 | 13 | 15 | 64 | M6*1 |
| | 100KG TO 300KG | 51 | 19 | 21 | 76 | M12*1.25 |
| | 450KG TO 1500KG | 51 | 19 | 19 | 76 | M12*1.25 |
| | 2000KG TO 5000KG | 76 | 28 | 28 | 100 | M20*1.5 |
| | 10000KG | 112 | 45 | 45 | 175 | M30 |
| 301AD | 100KG TO 1000KG | 51 | 19 | 21 | 64 | M12*1.25 |

* All dimension are in mm

Parameters : (Analog Load Cell)

| Reted Load (kg.) 5 / 10 / 15 / 20 / 50 / 100 / 200 / 300 / 500 / 1000 / 2000 / 3000 / 5000 / 10000 | | | |
|--|---------------------------------|---------------------------------|-------------|
| Precision | C2 | Excitation Voltage (V) | 9~12 (DC) |
| Composition Error | ± 0.03 | Compensated temp. Range (°C) | -10~+40 |
| Rated Output (mv/v) | 2.0 ± 0.05 & 3.0 ± 0.05 | Use Temp. Range (°C) | -10~+55 |
| Creep (%FS/30min) | ± 0.024 | Temp. Effect on Zero (%FS/10°C) | ± 0.023 |
| Zero Balance (%FS) | 2.0 | Temp. Effect on Span (%FS/10°C) | ± 0.02 |
| Input Resistance (Ω) | 390 ± 10 | Safe Overload (%FS) | 150 |
| Output Resistance (Ω) | 350 ± 2 | Ultimate Overload (%FS) | 200 |
| Insulation Resistance (M Ω) | 5000 | Defend Grade | IP67 |

