

RSL 306

Tension Link Load Cell

RUDRRA SENSOR

The load cell Technology



Product Description

Tension Link Load Cell is additional unique strain gauge electronic device manufacturing & supplying by Rudrra Sensor. The channel bestow intramural strain gauge mechanism consummate by Rudrra Sensor during the last thirteen years. The exclusive package sustain ultimate productive means for the protection and sealing of the centralized electronics gizmo and underrate the adverse repercussion of superfluous torsional and bending loads.

This Dynamometer Tension Link load cell is fitting for tension appositeness such as winching, hanging crane scale, and lifting systems. Openings at either end of the crane load cell allow for easy connection to shackles, wire rope, or other rigging. It is available in 2Tf to 300Tf of capacity, It is in light weight and affordable too.

We overture an exercised measurement an exhaustive dimension of RSL-306 for the tensile load, force, weight. A wide range of capacities meets the needs of an array of weighing applications and is tailor-made to the needs of machine builders and system symphonize.

Applications

- * 2 Tf to 300 Tf capacities are available.
- * This load cell is compact and light weight for portability.
- * High alloy tool steel construction is for ruggedness and safety.
- * Perpendicular loading holes design helps in minimising external moment effects and improves safety and accuracy.
- * Optionally High temperature version for foundary applications can be offered upon request.

Key Features

- * To measure rope tension by inserting as a link in to the line
- * To measure towing force of the vehicles and ships
- * Force Measurement Tension Dynamometer
- * Hanging & Crane Scale
- * Material handling equipments
- * Bollard Pull Test, Tug boats (Over Load detection weigh cable Force testing drag for measurement
- * Cargo handling in Ship Yards

Optional :

- * Digital Load cell
- * Stainless steel structure



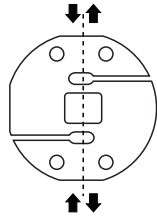
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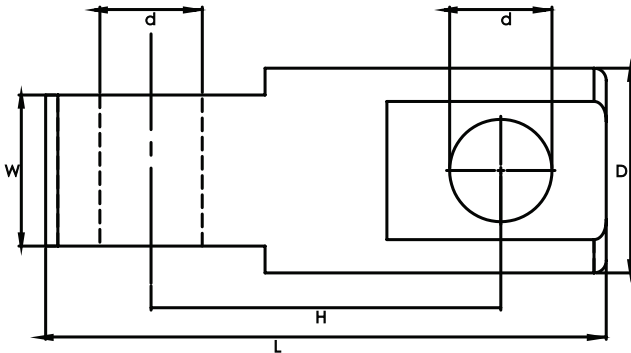
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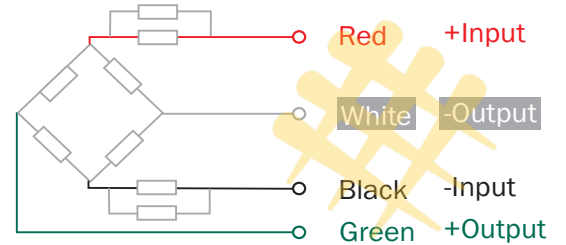
Load Application Layout :



Dimensions :



Cable Connection Details :



Capacity	d	D	H	W	L
10t	36	63	134	45	200
20t, 30t	42	88	150	58	240
40t	59	115	195	72	320
60t	72	147	243	102	390
125t	84	168	287	124	460
200t	106	210	350	145	575
300t	135	254	465	180	810

* All dimension are in mm

Parameters : (Analog Load Cell)

Reted Load 10 / 20 / 30 / 40 / 125 / 200 / 300			
Excitation Voltage	10 VDC - Maximum 15VDC	Insulation Resistance (50 VDC)	5 VDC - Maximum 15VDC
Nominal Output	1.0m V/V	Cable Length (4 Core Screened)	5 Meters
Non - Linearity	$<\pm 0.1\%$ FSO	Nomiral Output	1.0 m V/V
Hysteresis	$<\pm 0.5\%$ FSO	Safe Overload of Rated Capacity	150%
Non-Repeatability	$<\pm 0.1\%$ FSO	Ultimate Overload of Rated Capacity	200%
Creep (30min)	$<\pm 0.1\%$ FSO	Allowable Side Load	50%
Zero Balance	$<\pm 0.1\%$ FSO	Temp. Compensated Range	0.60 °C
Input Resistance	775 \pm 15 ohms	Temperature Effect on Output	<0.02 FSO/°C
Output Resistance	700 \pm 3 ohms	Temperature Effect on Zero	<0.02 FSO/°C
Finish & Construction	Electroless Nickel Plated tool Steel	Defend Grade	<0.4 mm at FSO

