

RS-LP

Web Tension Load Cell (For Converting Machinery)

RUDRRA SENSOR
The load cell Technology



Product Description

Web Tension Load Cell is offered as model RS-LP, which has a unique design and working performance. This type of load cells is used for printing machinery & Converting machine applications. All products are developed under the dynamic supervision of expert professionals. This cell can be used for small to large size graphic and printing machinery & Textile machine.

Key Features

- * Large capacity range
- * High Strength Stainless steel construction
- * Special shielded cable and connector
- * Off-axis high strength to resist the force
- * Designed for web tension measuring
- * Easy mounting with clamp
- * High permissible operational speed for measuring roller due to high load cell spring coefficient.

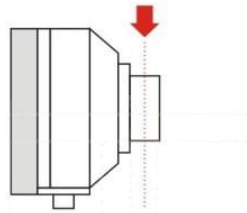


RS-LP

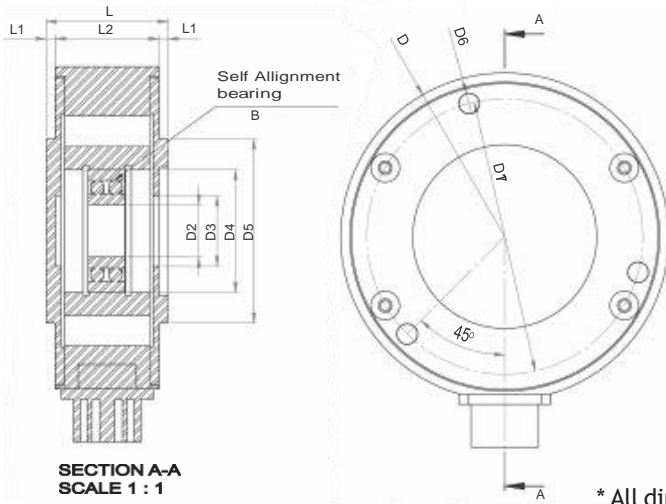
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Load Application Layout :

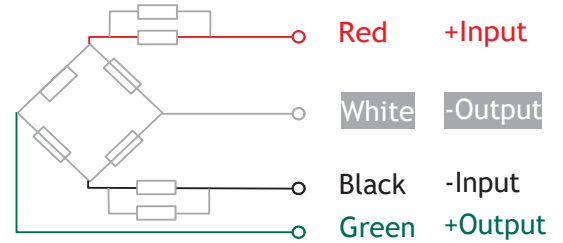


Dimensions :



* All dimension are in mm

Cable Connection Details :



CAPACITY (Kg)	L	L1	L2	D	D2	D3	D4	D5	D6	D7	Bearing
25, 50, 100	40	3	34	107	17	23	40	60	6.5	90	1203
50,100	45.8	2.9	40	125	25	32	52	70	6.5	105	1205
150.300	65	4	57	175	30	40	72	100	9	150	1306
500,750	47	5	42	175	40	NA	NA	101	13	150x4	UC208
1000	75	4	67	255	50	65	100	130	11.5	190	1310
1500	80	4	72	265	60	75	130	160	11	210	1312

Parameters : (Analog Load Cell)

Rated Load (kg) 25, 50, 100, 150, 300, 500, 1000 Kg			
Precision	2 mV/V	Insulation Resistance (MΩ)	≥20000(50VDC)
Composition Error	0.3	Excitation Voltage (V)	9~12 (DC)
Rated Output (mv/v)	< 0.05 mV/V	Compensated Temp. Range (°C)	-10~+40
Non-Linearity (%FS)	0.05	Use Temp. Range	-35~+65°C
Hysteresis (%FS)	0.05	Temp. Effect on Zero (%FS/10°C)	0.1
Repeatability (%FS)	0.03	Temp. Effect on Span (%FS/10°C)	0.1
Creep (%F.S/30 min)	0.03	Safe Iverload (%FS)	120
Zero Balance (%FS)	± 1	Ultimate Overload (%FS)	150
Input Resistance (Ω)	390±10	Defend Grade	IP67
Output Resistance (Ω)	350±2	Cable	6mm, 5 Mtr

