RTN

High Capacity Compression Load Cell

RUDRRA SENSOR
The load cell Technology

Product Description

Industrial application in various domains requires the ability to calibrate with the procedure of weighing where equipment like low profile compression load cells have a vital role. With the growing demand of the industrial application, the importance of low profile compression load cell is increasing.

The specific load cell is designed with the major objective to ensure the vital measurement of system parameter in numerous industrial applications. The body of this appliance is made of stainless steel which has the resistivity to fight with corrosion. In order to ensure the quality of the product, the Rudrra Sensor's engineers check the accuracy and efficiency of the load cell twice before the final dispatch of the low profile compression load cell to the customers directly. The load cell is available in various sizes and in different capacities. It is known for the accurate measurement in industrial requirements. It is designed with different specifications with different values. This load cell is made with high precision strain gage. It is accurately test out by our professionals before dispatch to reassure the product quality. It is offered in different sizes and capacities. These are renowned for its accurate working procedure. The all technical details and electrical wiring diagram is given below. and its called strain gage based load cell technology.

Application :

* High Capacity testing machine
* Concrete testing machine
* Rolling Mill machine
* Customized application

Key Feature :

* Stainless Steel Material
* Light weight in high capacity
* Simple instalation

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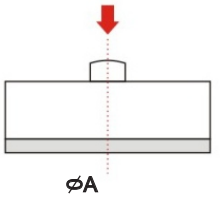
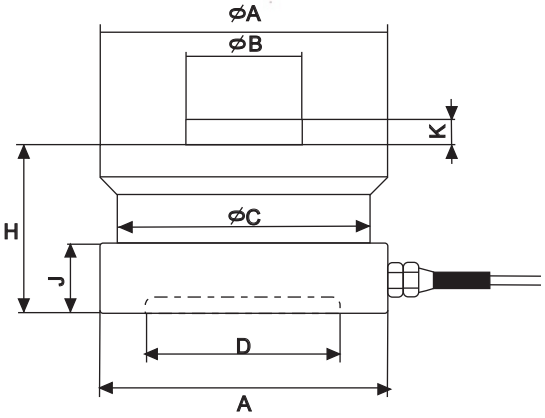
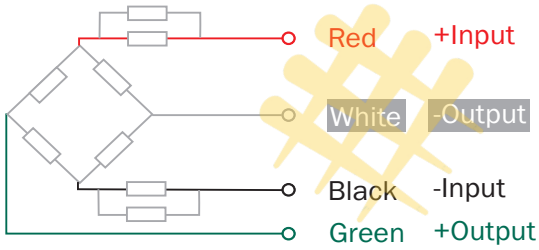
Load Application Layout :



Dimensions :



Cable Connection Details :



Cap	A	B	C	D	H	K	J
100., 150., 200T	150	70	140	124	80	10	30

*300T/500T/100T Dimension Available on Request

Parameter	C3	Unit
Rated load (Emax):	50, 100, 200, 300, 500	t
Maximal numbers of load cell verification Intervals (Nlc):	3000	d
Minimum load cell Verification intervals Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	2.0 + 0.1%	mV/V
*Combined error:	0.015	± % of rated output
Temperature effect on sensitivity (Tkc):	0.0012	± % of rated output °C
Temperature effect on Zero balance (Tk0):	0.0008	± % of rated output °C
Zero balance:	1.0	± % of rated output
Input balance (Rlc):	775 + 5	Ω (Ohms)
Output resistance (Ro):	702 + 2	Ω (Ohms)
Insulation resistance:	> 5000	M Ω (Mega-Ohms)
Safe overload:	150	± % of rated capacity
Ultimate overload:	300	± % of rated capacity
Operating temperature range:	-20 + 70/-20 + 160	°C / °F
Recommend excitation:	5-12	V(DC or AC)
Maximum excitation:	15	V(DC or AC)
Material of elastomer:	Alloy steel / Stainless Steel	
Protection class:	IP67/IP68