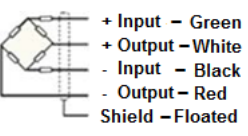
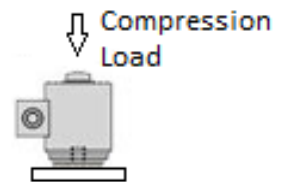
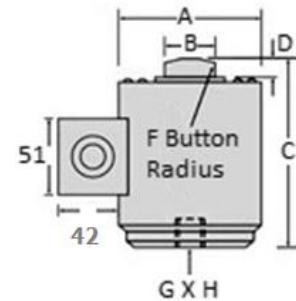


Description

Model 90210 /90310 is **CE Certified** Strain Gage based, multicolumn compression type Load Cell. It is hermetically sealed to provide better environmental protection. The cell is recommended for tank, truck, track & hopper type weighing applications. It is also used for compressive force testing machines.

90310 linearized version is offered up to 200Tf capacity only.

Features	
<ul style="list-style-type: none"> ❖ CE Rated ❖ 5 Tf to 500 Tf capacity ❖ Compact & Low Profile ❖ Dual Bridge for sensor redundancy can be provided optionally 	
Applications	
<ul style="list-style-type: none"> ❖ Compression Force Testing ❖ Hydraulic Press ❖ Tank, Silo Weighing ❖ Civil & Construction Material Testing. ❖ Pile & Structure Testing 	
Performance Specification	
Standard Capacities	5,7.5,10,15,20,23,30,45,50,60,75,100,150,200,300, 500 Tf.
Excitation Voltage	10VDC-Maximum 15VDC
Nominal Output	2.0 mV/V
Non - Linearity	90210 - < ± 0.15%FSO (Full Scale Output) 90310 - < ± 0.025%FSO
Hysteresis	<±0.03% FSO
Non-Repeatability	<±0.02% FSO
Creep (30 minutes)	<±0.03% FSO
Input Resistance	450 ± 2.0 Ohms
Output Resistance	480 ± 3.0 Ohms
Insulation Resistance (50V)	>1000 Mega Ohms at 50 VDC
Safe Overload	150%
Ultimate Overload of Rated	300%
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Deflection	< 0.4 mm at FSO
Material of Construction	Epoxy Enamel
Environmental Protection Class	IP68
Electrical Termination	Options
	<ul style="list-style-type: none"> * Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output * Digital Version with RS-485 interface / USB output / Blue Tooth Telemetry / Wireless Telemetry * Software for Graphic, Tabulation and Reporting



CAPACITY TF	A	B	C	D	F	G	H
5,7.5,10,15,20,23,30	73	32	82	8	150	M12 x 1.25	8
45,50,60,75	114	58	127	12.5	150	M20 x 1.50	14
100,150,200	140	80	184	26	430	M20 x 1.50	19
300,400,500	220	100	240	26	430	M20 x 1.50	25

Cable – Up to 10 Tf. capacity – 10 Mtrs. Above 10 Tf. – 15 Mtrs.

Specifications are subject to change.

All dimensions are in mm.



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