

Description

CE Certified 80210 is Double Ended Shear Beam type load cell. It is suitable for truck, tank and hopper weighing. This is constructed from electro less nickel plated heat treated tool steel suitable for harsh industrial applications. Carter supported and end loaded design with ring and torsion bar loading mechanism makes it free from side load and makes it fast settled to applied load. Transient voltage protection is provided for protection against lightning and line voltage faults.

It is also offered in Digital Version with Fully Embedded electronics with RS485 communication capability for easy interface over long distance without signal loss.

Features

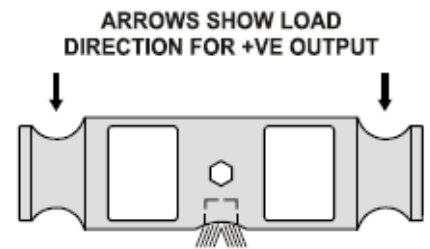
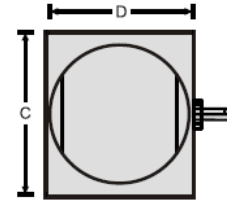
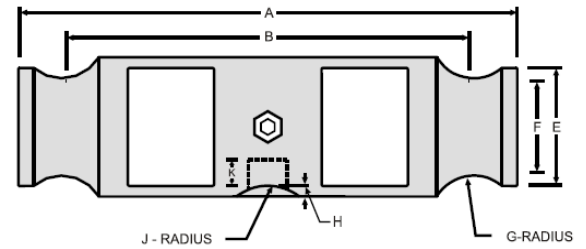
- ❖ **CE Rated** ❖ 10Tf. to 100 Tf. Capacities.
- ❖ Complete environmental Protection -IP68
- ❖ Hardened tool steel construction.
- ❖ Good side force and shock resistance.
- ❖ Full mounting hardware are provided with the load cell.

Applications

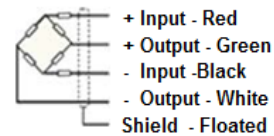
- ❖ Truck weighbridge
- ❖ Tank and hopper weighing
- ❖ Tensile testing

Performance Specification

Standard Capacities(Tf.)	10, 15, 20, 30, 45, 50, 75, 100
Excitation Voltage	10 VDC- 15 VDC Maximum
Nominal Output	3.0 MV/V
Non - Linearity	< ±0.025% FSO (Full Scale Output)
Hysteresis	< ±0.02% FSO
Non-Repeatability	< ±0.01% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.0% FSO
Input Resistance	770 ± 20.0 Ohms
Output Resistance	700 ± 2 Ohms
Insulation Resistance(50VDC)	> 1000 M OHMS
Ultimate Overload	300% of Rated Capacity
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Deflection	< 0.5 mm at FSO
Finish & Construction	Electro less Nickel Plated Tool Steel
Environmental Protection Class	IP 68



Electrical Termination



Options

- * Mounting Module WM-III & Forged Rings
- * 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

Cap.Tf	A	B	C	D	E	F	G	H	J	K	Cable – Mtrs.
10-45	260	216	72	64	61	52	25	6	25	13	15
75,100	292	254	86	76	70	60	38	10	38	20	15

Specifications are subject to change.

All dimensions are in mm.



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