



Description

70210 is double ended shear beam load cell which is ideally suited for truck, track, tank & hopper weighing applications. It is designed to withstand the rigorous of harsh environmental conditions. It is constructed from Tool Steel. Can also be offered with complete mounting assembly – WM-II.

It is also available in Digital version, equipped with fully Embedded Electronics with RS 485 Communication capability for easy interface over long distance without signal loss.

Applications

- Large Platform Scales
- Truck, Tank & Hopper weighing
- Weighbridge

Key Features

High accuracy available As per standard ISO 376:2011

Triple Sealing for environmental Protection

Complete Environmental Protection – Meets IP 65, IP 67 & or IP 68 class

Electro less nickel-plated tool steel & stainless steel constructions

A high-temperature version can be provided on request

Wide range of capacities from 2.5 TF to 100 TF

Standardized output (2.0 mV/V) and customized output can be provided on request

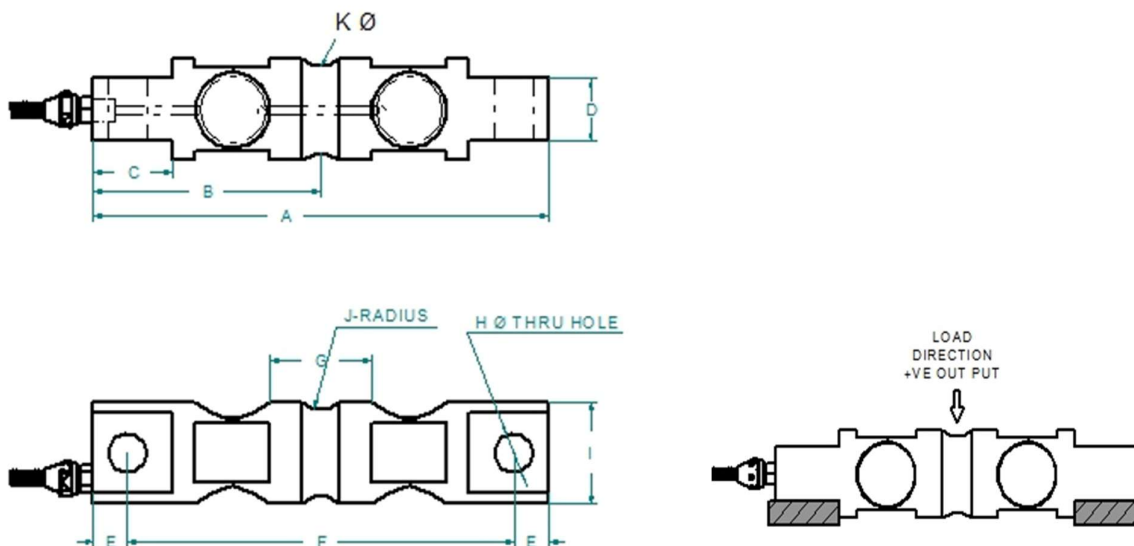
Calibration in mV/V/Ω

Can be **customized** to suit customer's need

Technical Specifications

STANDARD CAPACITY		2.5, 5, 7.5, 10, 15, 20, 25, 30, 40, 50, 65, 75, 100, 125	-TF
PERFORMANCE	Non - Linearity	< ± 0.05 % FSO	
	Hysteresis	< ± 0.03 % FSO	
	Non-Repeatability	< ± 0.02 % FSO	
	Creep (30 minutes)	< ± 0.03 % FSO	
	Zero Balance	± 1.5 % FSO	
ELECTRICAL	Output	2.00 mV/V	(Customized Output available on request)
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)	
	Input Resistance	770 $\pm$ 20.0 Ω (Ohms)	
	Output Resistance	700 $\pm$ 2.0 Ω (Ohms)	
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)	
STRUCTURE	Safe Overload Of Rated Capacity	150%	
	Ultimate Overload of Rated Capacity	200%	
	Allowable Side Load	50%	
	Deflection	< 0.5 mm at FSO	
	Finish Product	Electro less nickel-plated tool steel / SS 17-4 PH	
	As per IS/IEC 60529:2001	IP68	
TEMP.	Operating Temperature	0°C to 60°C (Optional 90°C, 120°C, 150°C)	
	Compensated Temperature	10°C to 50°C (Optional 90°C, 120°C, 150°C)	
	Temperature Effect on Output	< 0.0015 % FSO/ °C	
	Temperature Effect on Zero	< 0.0020 % FSO/ °C	
OPTIONAL	ATEX	II 3D EX tc IIIC T60°C DC , II 3G EX ec IIC GC	
	High Temperature Cable	Teflon Cable	
	High Temperature Range	40°C to 90°C (Temperature Effect on Output & Zero : < 0.020% FSO/ °C)	
	Accessories	DLC-6 DLC-6M HH-06 DIGITAL LOAD CONTROLLER (MULTI. O/P)	

Dimension (mm)

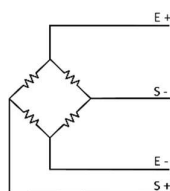


CAPACITY-TF	A	B	C	D	E	F	G	H	I	J	K	CABLE
2.5, 5, 7.5 10	206	103	36	28	15.5	175	25	17	45	12.5	38	5 Meter
15, 20, 25, 30, 40	260	130	47	60	22	216	35	25	78	25	70	5 Meter
50, 65, 75	285	143	47	63.5	22	241	35	25	88	25	80	5 Meter
100, 125	410	205	77	117	40	330	45	37	136	50	128	5 Meter

All dimensions are in mm.

Specification are Subject to Change.

Electrical Termination



Excitation(E+)	Red
Signal(S-)	White
Excitation(E-)	Black
Signal(S+)	Green
Shield	