



Description

70410 is Double Ended Shear Beam type Load Cell ideally suited for Elevator load monitoring. Its construction of high alloy tool steel to provide optimum protection under impact loading & adverse conditions. The cell is environmentally protected with waterproof seal and is Electro less Nickel Plated to assure resistance against corrosion. Usually used in pair of 4 Load Cell fitted at each corner of the lift. It can be provided with summing Junction box and load indicator.

Applications

- Passenger Weighing
- Cargo Lift
- On Board Weighing
- Small Crane Weighing

Key Features

High accuracy available As per standard ISO 376:2011

Complete Environmental Protection – Meets IP 65 class

Electro Less Nickel Plated Tool Steel constructions

A high-temperature version can be provided on request

500 KGF & 1000 KGF Capacities provided

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

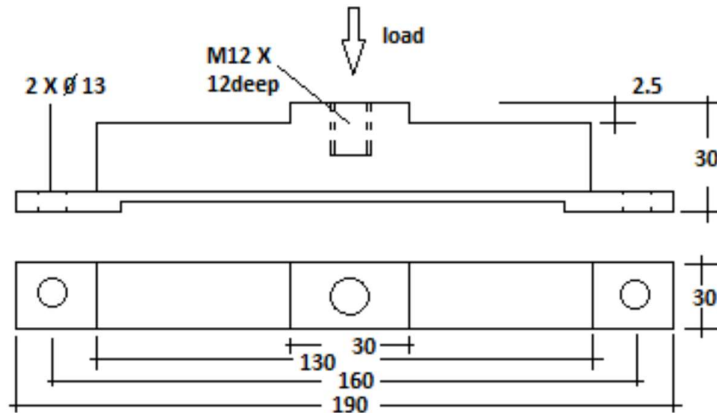
STANDARD CAPACITY (KGF)		500, 1000
PERFORMANCE	Non - Linearity	< ± 0.1 % FSO
	Hysteresis	< ± 0.15 % FSO
	Non-Repeatability	< ± 0.1 % FSO
	Creep (30 minutes)	< ± 0.02 % FSO
	Zero Balance	± 1 % FSO
ELECTRICAL	Output	2.00 mV/V
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)
	Input Resistance	$770 \pm 15.0 \ \Omega$ (Ohms)
	Output Resistance	$700 \pm 5.0 \ \Omega$ (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Ultimate Overload of Rated Capacity	250%
	Allowable Side Load	50%
	Deflection	< 0.4 mm at FSO
	Finish Product	Electro Less Nickel Plated Tool Steel
	As per IS/IEC 60529:2001	IP65
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	< 0.01 % FSO/ °C
	Temperature Effect on Zero	< 0.01 % 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 DIGITAL LOAD CONTROLLER (MULTI. O/P)

70410

DOUBLE ENDED SHEAR BEAM LOAD CELL

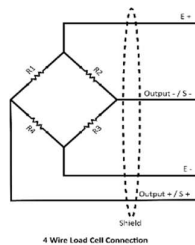


Dimension (mm)



CAPACITY (KGF.)	CABLE
500, 1000	5 Meter
All dimensions are in mm. Specification are subject to change	

Electrical Termination



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