



Description

70470 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. It is end supported and center loaded and is very easy to install. **High Service Temperature (150 °C) version is offered for Ladle and Crane Weighing in Steel and Metal Plants.**

Digital version is also offered, equipped with Fully embedded electronics with RS485 communication capability for easy interface over long distance without signal loss.

Applications

- Truck Weighbridge
- Tank, Silos and Hopper weighing in high temperature environments
- Heavy Steel Coil Weighing
- Ladle Turret and Ladle Ferry Scale
- Various types of weighing in Steel and Foundry -Metal Industries

Key Features

High accuracy available As per standard ISO 376:2011

Complete Environmental Protection – Meets IP 68 class

Hardened Tool Steel constructions good for side force and shock resistance

A high-temperature version can be provided on request

Wide range of capacities from 50 TF to 200 TF

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

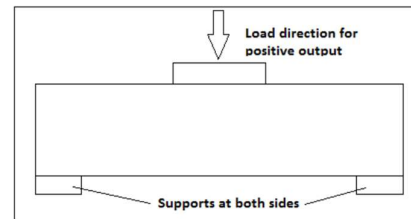
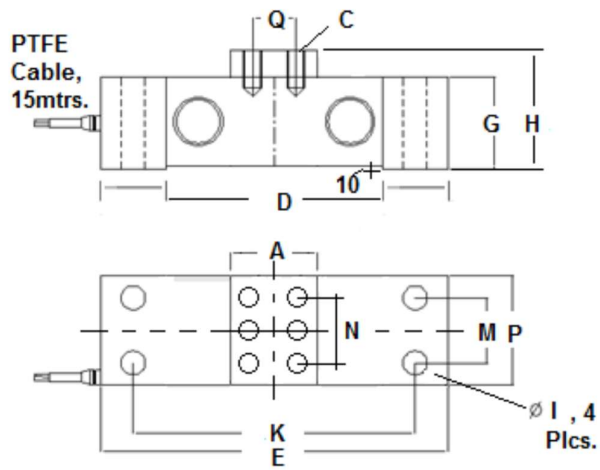
Calibration in mV/V/Ω

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

Technical Specifications

STANDARD CAPACITY (TF)		50, 100, 150, 200
PERFORMANCE	Non - Linearity	< ± 0.05 % FSO
	Hysteresis	< ± 0.05 % FSO
	Non-Repeatability	< ± 0.02 % FSO
	Creep (30 minutes)	< ± 0.03 % FSO
	Zero Balance	± 1 % FSO
ELECTRICAL	Output	2.00 mV/V
	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	300%
	Allowable Side Load	50%
	Deflection	< 0.5 mm at FSO
	Finish Product	Electro Less Nickel Plated Tool Steel
	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	< 0.005 % FSO/ °C
	Temperature Effect on Zero	< 0.004 % 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)

Dimension (mm)

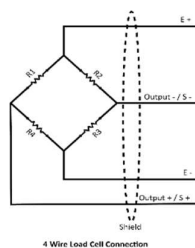


CAPACITY-TF	A	C	D	E	G	H	I	K	M	N	P	Q	WEIGHT(KG)	CABLE
50	80	M20×30	340	450	105	130	26	398	68	75	120	40	35	15 Meter
100	90	M24×35	370	500	118	143	30	444	80	90	140	44	55	15 Meter
150	90	M24×35	410	560	133	158	33	500	94	102	160	44	80	15 Meter
200	90	M24×40	450	620	150	175	33	560	114	110	180	44	115	15 Meter

All Dimensions are in mm.

Specifications are subject to Change.

Electrical Termination



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