



Description

50310 is low profile bending beam load cell for bag and check weighing. It is constructed from SS 17-4 PH for providing protection against corrosion. It is strain gauge based with full temperature compensation over the 0 to 50°C. It is laser welded hermetically sealed with SS Below. It is suitable for Food, Pharmacy and corrosive Chemical Industries.

Applications

- Check weighers
- Tank & Hopper weighing
- Batching & Packaging Machines
- Bag weighers
- Bench Scale
- Floor Scale

Key Features

High accuracy available As per standard ISO 376 : 2011

Complete Environmental Protection – Meets IP 68 class

Complete environment protection for gauge area is provided for IP-68 protection class with laser welded SS below

A high-temperature version can be provided on request

Wide range of capacities from 10 KGF to 500 KGF

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

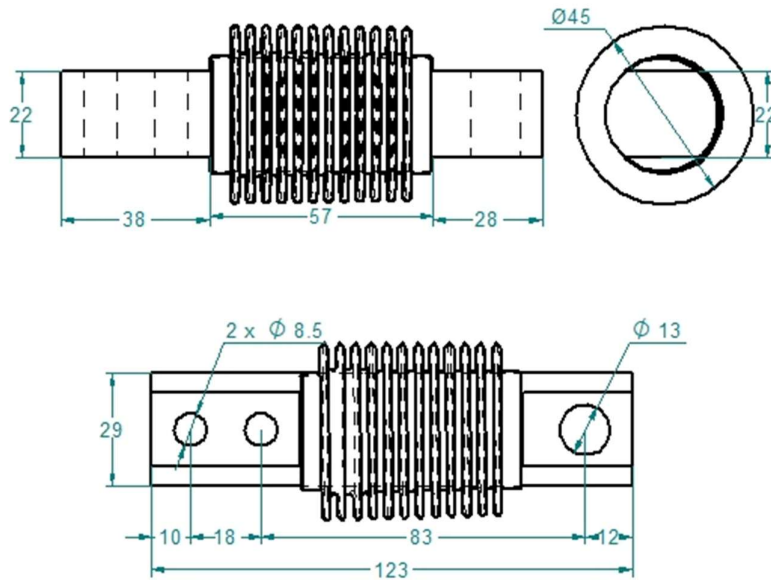
STANDARD CAPACITY		10, 20, 30, 50, 100, 200, 300, 500 - KGF
PERFORMANCE	Non - Linearity	< $\pm 0.05\%$ FSO
	Hysteresis	< $\pm 0.01\%$ FSO
	Non-Repeatability	< $\pm 0.02\%$ FSO
	Creep (30 minutes)	< $\pm 0.03\%$ FSO
	Zero Balance	$\pm 1.0\%$ FSO
ELECTRICAL	Output	2.00 mV/V (Customized Output available on request)
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)
	Input Resistance	$370 \pm 15 \Omega$ (Ohms)
	Output Resistance	$350 \pm 2 \Omega$ (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	SS 17-4 PH
	As per IS/IEC 60529:2001	Meets 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	< 0.010 % 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)

50310

BENDING BEAM BELLOW TYPE HERMATICALLY SEALED LOAD CELL

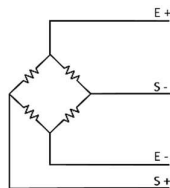


Dimension (mm)



CAPACITY - KGF	CABLE
10, 20, 30, 50, 100, 200, 300, 500	3 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	