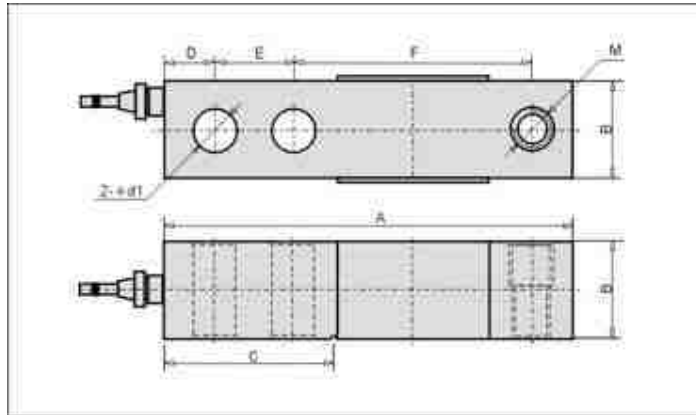
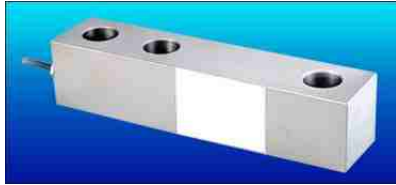




SINGLE ENDED SHEAR BEAM LOAD CELL

803

803 is a Strain Gage based, single ended Shear Beam Load Cell. Intended for use in platform scales, tank and hopper weighing systems. It is constructed from high alloy tool Steel. The cell is sealed against moisture ingress for use in wash-down areas and it is Electroless Nickel plated for corrosion resistance. It is low cost ideal Load Cell for industrial automation applications.



Wiring Scheme

Red + (Input +) White - (Output -) Black - (Input -) Green + (Output +)

Performance Specification

Standard Capacities

100*, 150*, 200*, 300,500*, 750 – Kgf

1, 1.5, 2, 2.5, 3, 5, 7.5, 10 – Tf

Excitation Voltage 10 VDC- Maximum 15

VDC

Nominal Output 3.0 mV/ V

Non - Linearity < ±0.025% FSO

Hysteresis < ±0.02% FSO

Non-Repeatability < ±0.01% FSO

Creep (30 minutes) < ±0.03% FSO

Zero Balance ±1.0% FSO

Input Resistance 390 ± 3.5 Ohms

Output Resistance 350 ± 3.5 Ohms

Insulation Resistance (50 VDC) > 1000 Mega Ohms

Cable Length (4 Core Screened) 5 mtr. Minimum

Safe Overload of Rated Capacity 150%

Ultimate Overload of Rated Capacity 200%

Side Load 500:1

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

Tightening Torque See table below.

Finish & Construction 803 - Electroless Nickel Plated Tool Steel

Environmental Protection Class IP67.

Load (Kg)	A	B	C	D	E	F	d1	M
500 ~ 2000	130	31.8	54.5	16.1	25	77.2	13	M12 x 1.75
2500 ~ 5000	172	38	74.5	19.7	38	95.2	21	M20 x 2.5

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Due to continuous improvement, specifications, dimensions, look, color, feel and features subject to change without notice.