

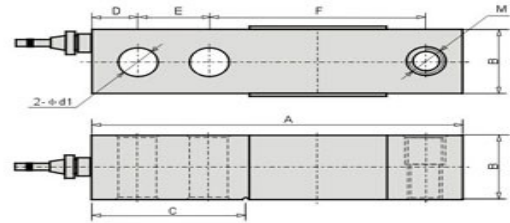


- Products

VRE-803(SINLE ENDED SHEAR BEAM LOAD CELL)

Description :

This 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 Electro less Nickel plated for corrosion resistance. It is low cost ideal Load Cell for industrial automation applications.



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 m V/ 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	300%
Side Load Discrimination	500 : 1
Temp. Compensated Range	0-60 °C
Deflection	< 0.5 mm at FSO
Tightening Torque	See table below.
Finish & Construction	803 - Electro less 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