



Embedded System Laboratories Pvt. Ltd.

(An ISO 9001:2015 certified company)

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S - TYPE LOAD CELL

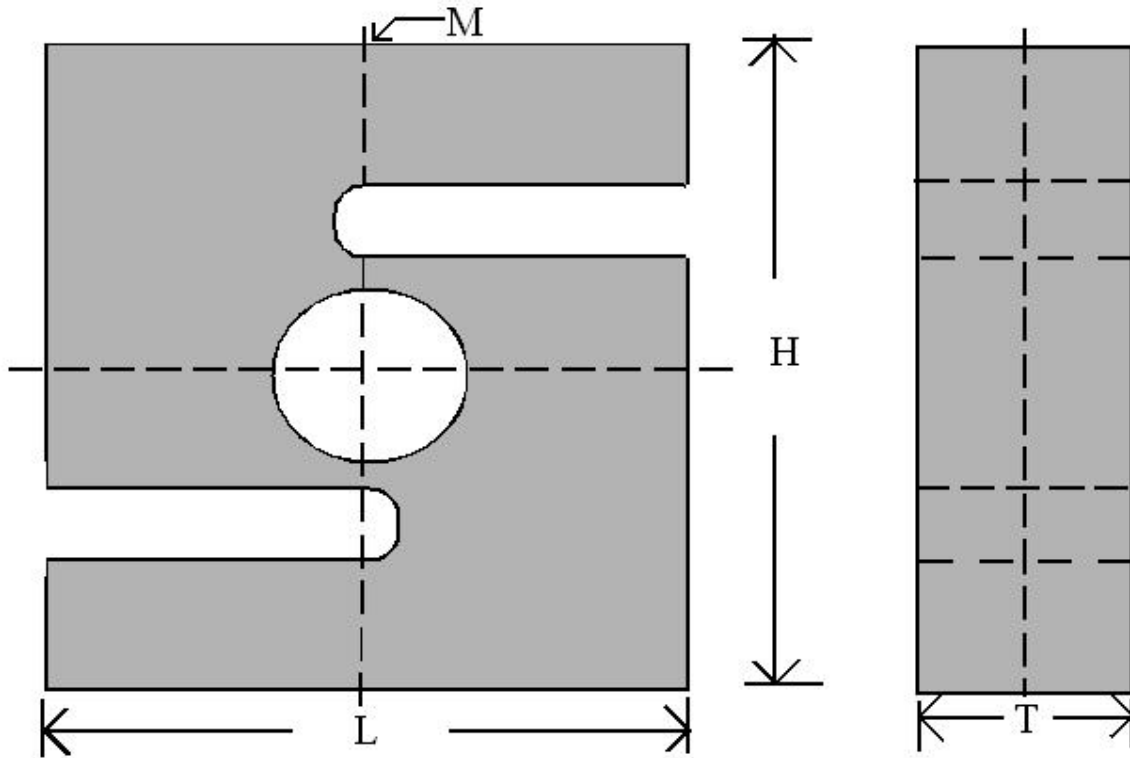
DESCRIPTION

ES are high performance, low cost, Shear S-type loadcell with excellent sensitivity and repeatability. The design is suggested for the Tension and Compression, hanging type-weighing application, which includes Testing Machines, Tank Weighing, Hopper Weighing, Mechanical Platform Scales and Weigh-bridges etc. And are also very widely used for the conversion of the existing machines to electronics.



PERFORMANCE SPECIFICATION

Rated Capacities (Kg.)	10,25,50,100,200,250,300,500 kg, 1,2,3,5,7.5,10 Tonne
Rated Output	2mV/V±10%
Non-linearity	< ± 0.02% of Full Scale
Creep (30 Mins)	< ± 0.03% of Full Scale
Zero	< ± 2% of Full Scale
Hysteresis	< ± 0.02% of Full Scale
Repeatability	< ± 0.02% of Full Scale
Temp. Effect on Output	< ± 0.012% Load / 10°C
Temp. Effect on Zero	< ± 0.02% R.O. / 10°C
Compensated Temp. Range	-10°C to 50°C
Operating Temp. range	-20°C to 60°C
Safe Overload	150 % of Rated Capacity
Input Impedance	400 ± 30 Ohms
Output Impedance	350 ± 3 Ohms
Insulation Resistance	> 2000 Mohms (50 VDC)
Recommended Excitation	5 - 12 VDC
Maximum Excitation	15 VDC
Cable Connection	Input: Red (+) White (-) Output: Green(+) Blue(-)



DIMENSIONS:-

Model No	Capacity (kg)	H	L	M	T
ES1	25, 50, 100, 200, 250, 300	76.2 (3.00)	48.5 (1.91)	M12 1.75	19 (0.75)
ES2	500, 1000, 2000	76.2 (3.00)	48.5 (1.91)	M12 1.75	28.2 (1.11)
ES3	3T, 5T	108 (4.25)	76 (2.99)	M18 1.5	32 (1.26)
ES4	7.5 T, 10T	108 (4.25)	76 (2.99)	M18 1.5	38 (1.49)

All dimensions are in mm (inch)

Specification subjected to change without notice.

FEATURES

- Special grade electro-less nickel-plated tool steel construction
- Economically priced, low cost
- High Accuracy 0.03%
- Wide capacity range 25 kg to 10000 kg. (10T)
- Same loadcell can be used in Tension or Compression