



Embedded System Laboratories Pvt. Ltd.

(An ISO 9001:2015 certified company)

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PANCAKE TYPE TENSION / COMPRESSION LOAD CELL

DESCRIPTION

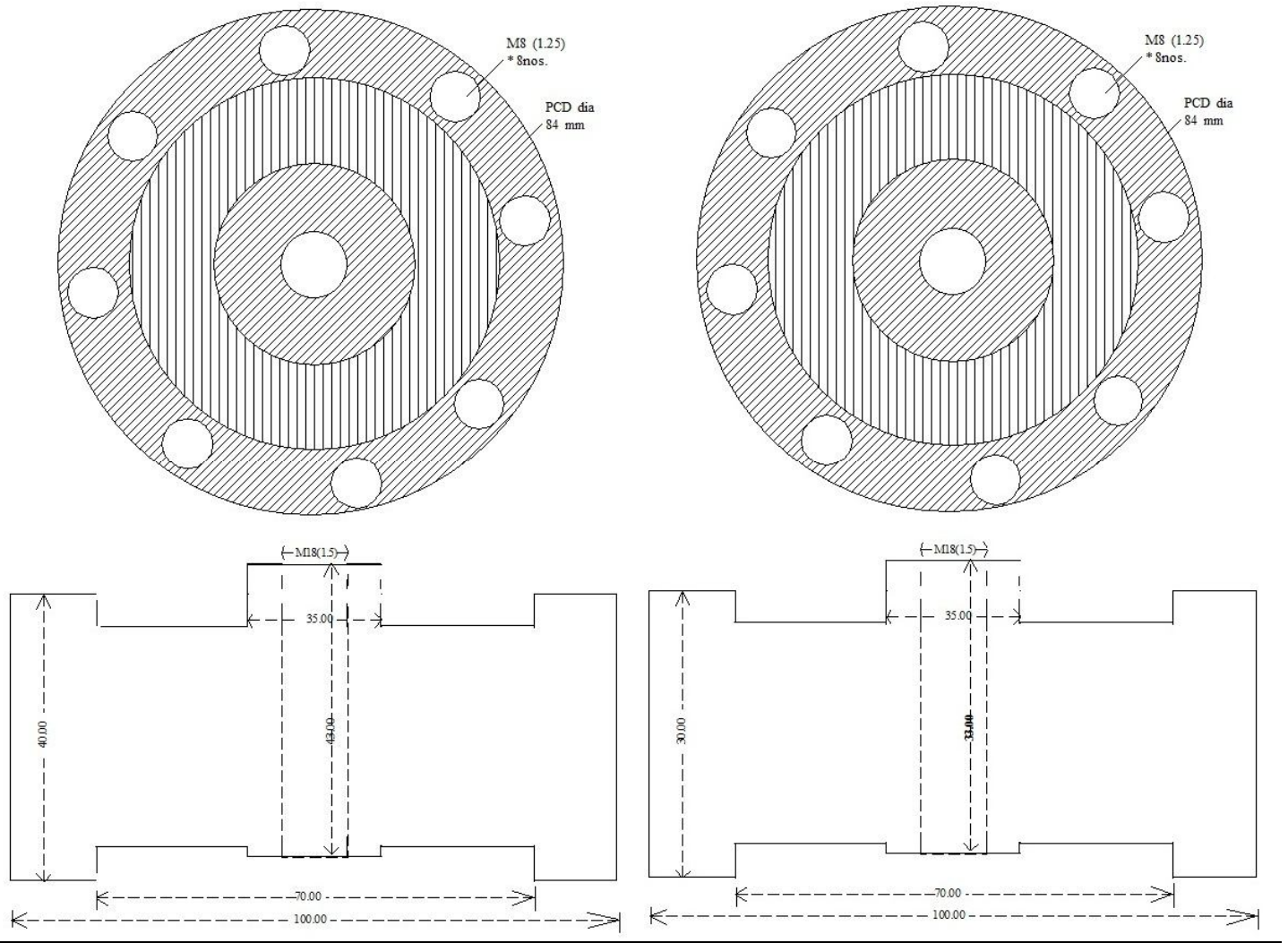
EC are high performance, low cost, Pancake-type loadcell with excellent sensitivity and repeatability. The design is suggested for the Compression & Tension, which includes Testing Machines. And are also very widely used for the conversion of the existing machines to electronics..



PERFORMANCE SPECIFICATION

Rated Capacities (Kg.)	500 kg, 1 Tonne, 2 Tonne, 5 Tonne
Rated Output	1mV/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	200 ± 50 Ohms
Output Impedance	175 ± 25 Ohms
Insulation Resistance	> 2000 Mohms (50 VDC)
Recommended Excitation	5 - 12 VDC
Maximum Excitation	15 VDC
Cable Connection	Input: Red (+) White/Yellow (-) Output: Green(+) Blue/Black(-)

DIMENSIONS:-



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%
- Loadcell can be used in Tension / Compression