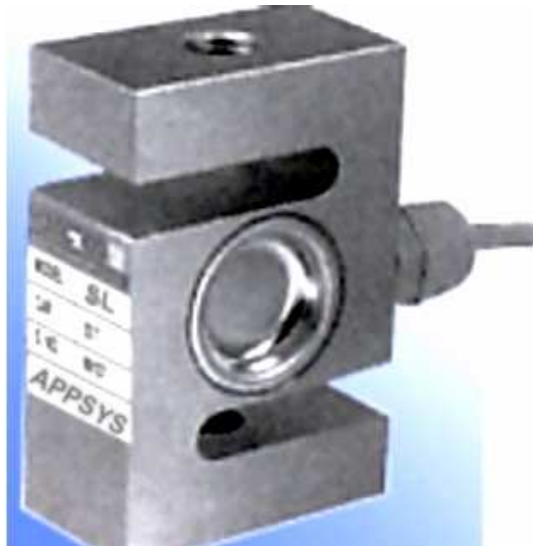


SL Series, S Beam Load Cell



SL Series, S Beam Load Cell

DESCRIPTION:

Ultra precision Strain gauge based S Type beam Load Cell is compact & rugged, used for Compression & Tension measurement, weighing, Tensile Testing & industrial applications.

CAPACITY:

50, 100, 200, 300, 500 Kg,
1 T, 2 T, 5 T, 10 Tons.

CONSTRUCTIONS:

- S – Shape, nickel plated alloy steel, for shack & overload resistance, used in tension & Compression
- Silicon Rubber pouring sealed, stainless steel cup covers, protected class IP67, for use in high humidity area.

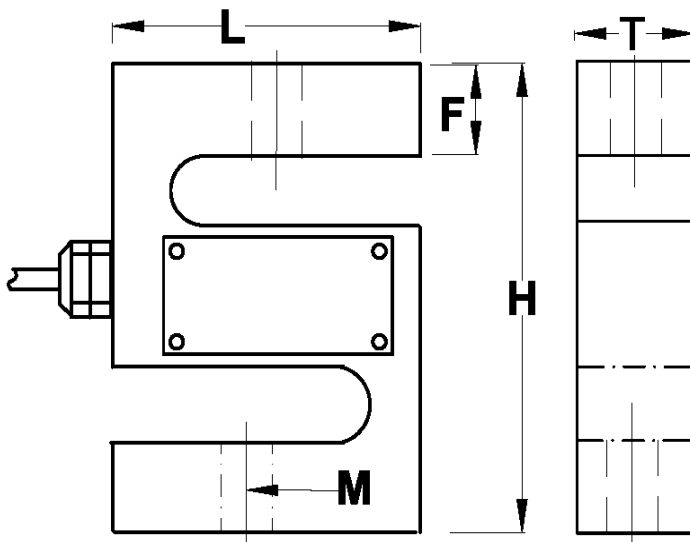


APPLICATIONS:

- Conversion of Mechanical scales to Electronics.
- Crane scales.
- Hanging Scales.
- Force measurements – Tension or Compression.
- Tank, Hopper, Bag weighing
- Industrial Automation applications.
- Dynamometers – as Reaction Torque Sensors.
- Wires & Cables Tensile force testing
- Cement Pole strength testing.

SPECIFICATIONS & TECHNICAL DATA

Sensitivity		2.0 ± 2 % mV/V
Non-linearity		± 0.03 % FS
Repeatability		± 0.02 % FS
Hysteresis		± 0.03 % FS
Creep (20 Min.)		± 0.05 % FS
Zero Balance		± 1 % FS
Insulation Resistance		> 2000 MΩ (@ 50 VDC)
Resistance	Input	400 ± 15Ω
	Output	350 ± 3Ω
Temperature Range	Compensated	-10 ° C to +60°C
	Operating	-30 ° C to +70 ° C
Temperature Effect	Output (Span)	± 0.02 % FS/10°C
	Zero	± 0.02 % FS/10°C
Maximum Supply Voltage		15 V (DC/AC)
Recommended Supply Voltage		5 to 12 V (DC/AC)
Safe Overload		150 % FS
Maximum Overload		200 % FS
Protection Class		IP 65 (< 200 Kg), IP 67 (> 200 Kg)
Cable		Φ 5mm X 4C X 3000mm



Load Cell Model SL	Dimensions in mm (inch)			
	H	L	M	T
Capacity - Kg				
50, 100, 200 Kg	76.2 (3.00)	50.8 (2.00)	M 12 x 1.5	19 (0.75)
300, 500, 1000, 2000 Kg	76.2 (3.00)	50.8 (2.00)	M 12 x 1.5	28.6 (1.13)
3000, 5000 Kg	108 (4.25)	76.2 (3.00)	M 18 x 1.5	29.4 (1.16)
10000 Kg	177.8 (7.00)	140 (5.51)	M 30 x 3.5	50.8 (2.00)

APPLICATION SYSTEMS

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