



Model RLS Single-Point Compression Load Cell

- Low cost
- Very high accuracy
- Infinite resolution

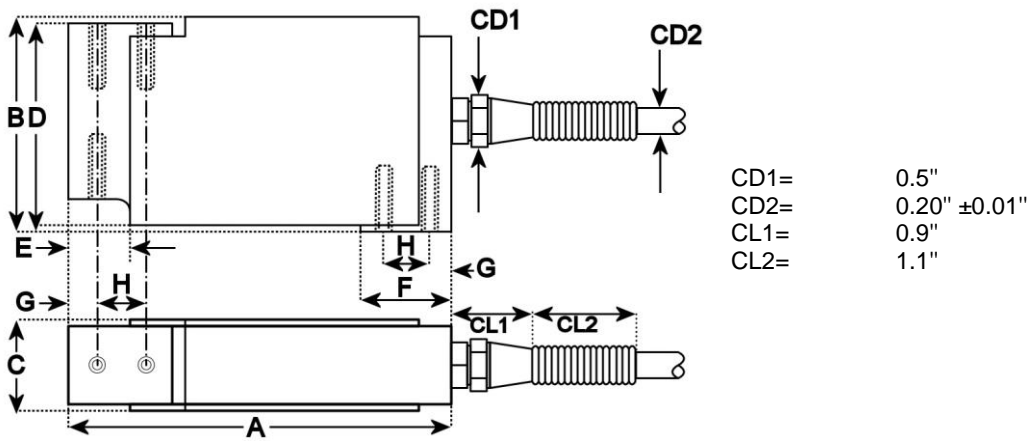


A load cell or force sensor is a device which converts load or force into an electrical signal.

A single-point compression load cell is designed for such applications as weighing scales.

Care should be taken to ensure that the load sensor is not exposed to load or force in excess of its capability. The range of compression load cell selected should therefore be appropriate for the maximum force (including transient forces) that can be applied to it.

This series of transducer is a strain gauge type transducer and has a mV output which may require an amplifier. We can offer a variety of high quality, low noise and high precision strain gauge amplifiers.



Type	Range	A	B	C	D	E	F	G	H	Mounting thread
RLS005	5kgf (11lbs)	4.65"	2.50"	1.18"	2.48"	0.79"	1.26"	0.29"	0.75"	M6, 1.0"
RLS010	10kgf (22lbs)	4.65"	2.50"	1.18"	2.48"	0.79"	1.26"	0.29"	0.75"	M6, 1.0"
RLS020	20kgf (44lbs)	4.65"	2.50"	1.18"	2.48"	0.79"	1.26"	0.29"	0.75"	M6, 1.0"
RLS050	50kgf (110lbs)	4.65"	2.50"	1.18"	2.48"	0.79"	1.26"	0.29"	0.75"	M6, 1.0"
RLS100	100kgf (221lbs)	4.65"	2.50"	1.18"	2.48"	0.79"	1.26"	0.29"	0.75"	M6, 1.0"

Specification	
Excitation/supply (acceptable)	0 to 15V
Excitation/supply (calibrated)	10V
Output	2mV/V ±10%
Zero balance	2% F.S.
Bridge resistance	350 Ohms
Linearity error	±0.02% F.S.
Hysteresis	±0.02% F.S.
Repeatability	±0.02% F.S.
Resolution	Infinite
Temperature coefficient (zero)	±0.0014% F.S. /°F (typical)
Temperature coefficient (span)	±0.0014% F.S. /°F (typical)
Operating temperature range	-4°F to 140°F
Compensated temperature range	14°F to 104°F
Ingress protection (IP)	65
Over-range capacity	50%
Major construction material	Aluminium alloy
Electrical termination	9.8ft (integral cable)

All dimensions and specifications are nominal.

Due to our policy of on-going development, specifications may change without notice. Any modification may affect some or all of the specifications for our equipment.

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