Load Cell Central

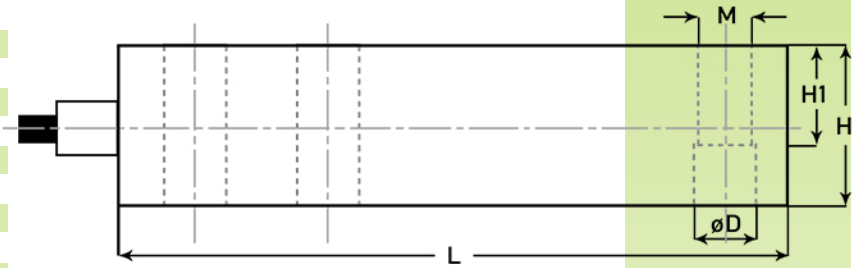
1-800-LOADCEL

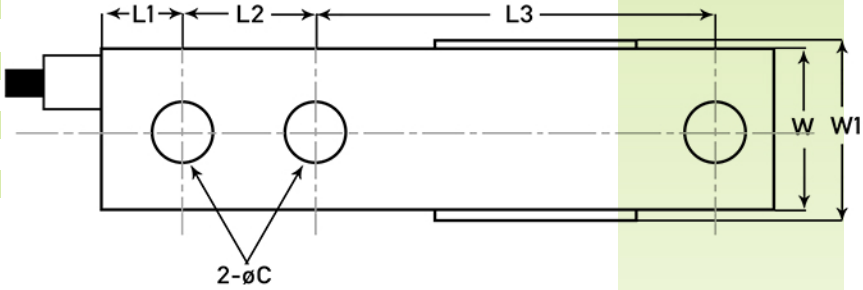
Model: LCS9

- Single ended shear beam load cell
- Compression
- Alloy steel, nickel plated
- IP67 environmental protection rating
- Capacities (lb): 1K, 2K, 2.5K, 4K, 5K, 5K-le, 10K, 20K

Specifications:

Full scale output	3.0 mV/ V nom.
Combined error	<± 0.02% FSO
Non-linearity	<± 0.02% FSO
Hysteresis	<± 0.02% FSO
Non-repeatability	<± 0.01% FSO
Creep error	<± 0.016% FSO in 30 min
Zero balance	± 1.0% FSO
Compensated temperature range	-10°C - 40°C (14°F - 104°F)
Operating temperature range	-35°C - 65°C (-31°F - 149°F)
Temperature effect on output	≤ 0.011% FSO / 10°C (18°F)
Temperature effect on zero	≤ 0.015% FSO / 10°C (18°F)
Input resistance	350 Ω ± 3.5 Ω
Output resistance	350 Ω ± 3.5 Ω
Insulation resistance	≥ 5,000 MΩ at 50 VDC
Recommended excitation	5-12 VDC (18 VDC Maximum)
Cable length	6 m (20 ft)
Safe overload	150% FS
Ultimate overload	300% FS
Material	Alloy steel





Dimensions:

Rated capacity	Dimensions (in) L	L1	L2	L3	H	H1	W	W1	C	D	M
1K - 5Kse	5.12	0.62	1.0	3.0	1.25	0.62	1.25	1.34	0.53	0.53	½ - 20 UNF
5Kle - 10K	6.75	0.75	1.5	3.75	1.5	0.74	1.5	1.57	0.78	0.78	¾ - 16 UNF
20K	8.75	1.0	2.0	4.75	2.0	1.0	2.0	2.06	1.06	1.02	1 - 12 UNF

Wiring Code

+Excitation	Red
-Excitation	Black
+Signal	Green
-Signal	White
+Sense	N/A
-Sense	N/A

Load Cell Central follows a policy of continuous improvement and reserves the right to change specifications without notice. ©2020 RDR Technology, Inc.

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