



MCLC Miniature Column Load Cell

Miniature Column Load Cells are designed for high capacity compression applications. This type is offered in stainless steel with a raised surface radius to overcome off centre loading



## WIRING

• The sensor is provided with a #32 AWG 4-conductor braided shielded cable with an outer jacket of 0.087" [2.2 mm] diameter, 5 ft [1.5m] long, with no connection between the shield and the sensor body. For additional protection, the cable is contained within a stainless steel spring for strain relief purposes for the first 1" [25 mm].

Connector pin configuration as shown below (for

the with-connector version)

RED + EXCITATION (INPUT) BLACK - EXCITATION GREEN +OUTPUT (SIGNAL) WHITE -OUTPUT



DIMENSIONS

CAPACITY (LBF)	CAPACITY (KN)	D1 (MM)	H (MM)	L (MM)	R (MM)
2k, 5k	10, 25	.62 (15.9)	.65 (16.5)	.59 (15)	4 (101.6)
7.5k, 10k	50	.88 (22.4)	.88 (22.4)	.77 (19.6)	4 (101.6)
15k, 30k	100	1.25 (31.8)	1.13 (28.7)	1.06 (26.9)	5 (127)







## SPECIFICATION

PARAMETER	RANGE	NOTES
Capacity (lbf)	2K, 5K, 7.5K, 10K, 15K, 30K	
Capacity (kN)	10, 25, 50, 100	
Sensitivity (mV/V)	2 nominal	
Safe Overload (%)	150 FS	No effect on performance
Zero Signal Error (%)	±1 FS	
Hysteresis (%)	±1 FS	
Linearity Error (%)	±1 FS	
Zero Temperature Coefficient (%)	0.02 FS/°C	
Span Temperature Coefficient (%)	0.02 of load/°C	
Compensated Temperature (°C)	-15 to +70	Wider range available to order
Operating Temperature (°C)	-20 to +70	Wider range available to order
Output Resistance (ohms)	350 nominal	
Input Resistance (ohms)	350 nominal	
Excitation (V)	18 max.	
IP Rating	IP64	
Material	Stainless Steel	

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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