

# Load Cell Central

1-800-LOADCEL

## CTD SERIES

### CAPACITY RANGES:

### MINI LOW PROFILE LOAD CELL/FORCE SENSOR

10, 25, 50, 75, 100, 150, 200, 300, 500, 750, 1,000 LBS.

Model CTD Series load cells were designed with economy as first priority. They are a scaled down version of our successful CTR Series. CTD-10 thru -300 are anodized aluminum and CTD-500 and -1,000 are made from 17-4 ph heat treated stainless steel. The unique low profile design of the CTD Series provides excellent stability for in line applications for tension and/or compression and saves space at the same time. Applications for the CTD Series might include force feedback for process control, robotics, weighing systems, your OEM product, or any other application where cost and/or space is the driving factor.

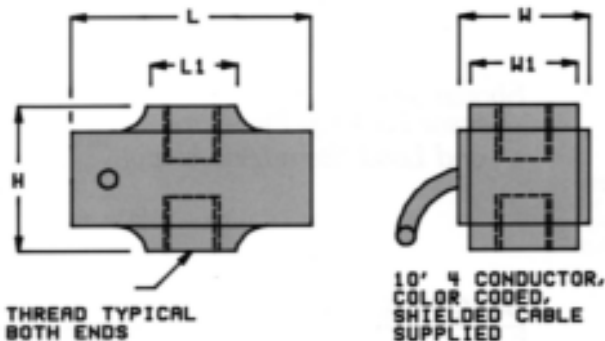


### Options

- CO - Mini Gold Pin Connector System, male and female with 10' 4 cond. color coded, shielded cable
- DB - Dual Bridge
- TC - Tension & Compression Calibration; otherwise specify "-C" when ordering.

### SPECIFICATIONS

Rated Output (R.O.): 2 mV/V nominal  
 Nonlinearity: 0.1% of R.O.  
 Hysteresis: 0.1% of R.O.  
 Nonrepeatability: 0.05% of R.O.  
 Creep in 20 Min.: 0.05% of R.O.  
 Zero Balance: 1.0% of R.O.  
 Compensated Temp. Range: 60 to 160°F  
 Safe Temp. Range: -65 to 200°F  
 Temp. Effect on Output: 0.005% of Load/°F  
 Temp. Effect on Zero: 0.005% of R.O./°F  
 Terminal Resistance: 350 ohms nominal  
 Excitation Voltage: 10 VDC  
 Safe Overload: 150% of R.O.



CAPACITY LBS.	DIMENSIONS (INCHES)						THREAD DEPTH	NATURAL RINGING FREQUENCY HZ	DEFLECTION INCHES	WT. OZS.
	L	L1	W	W1	H	THREAD				
10	1.50	.562	.54	.375	.75	10-32	.200	2,175	.003	.5
25	1.53	.562	.66	.500	.75	¼-28	.230	2,200	.003	.7
50	1.57	.562	.66	.500	.75	¼-28	.230	2,500	.003	.7
75	1.60	.562	.66	.500	.75	¼-28	.230	2,800	.003	.8
100	1.62	.562	.66	.500	.75	¼-28	.230	4,500	.003	.8
150	1.67	.562	.93	.750	1.00	¾-24	.375	4,500	.003	1.3
200	1.67	.562	.93	.750	1.00	¾-24	.375	5,200	.003	1.4
300	1.72	.562	.93	.750	1.00	¾-24	.375	5,200	.003	3.0
500	1.64	.562	.93	.750	1.00	¾-24	.375	5,200	.003	3.0
750	1.69	.562	.93	.750	1.00	¾-24	.375	5,200	.003	3.0
1,000	1.75	.562	.93	.750	1.00	¾-24	.375	5,200	.003	3.0

Load Cell Central follows a policy of continuous improvement and reserves the right to change specifications without notice. © 2016

Load Cell Central  
 28175 Route 220  
 Milan, PA 18831

Web: [www.800loadcel.com](http://www.800loadcel.com)  
 Email: [sales@800loadcel.com](mailto:sales@800loadcel.com)

Toll Free: 1-800-562-3235  
 Ph: 1-570-731-7048  
 Fax: 1-570-731-7054