

# ENVIRONMENTALLY PROTECTED LOAD CELLS

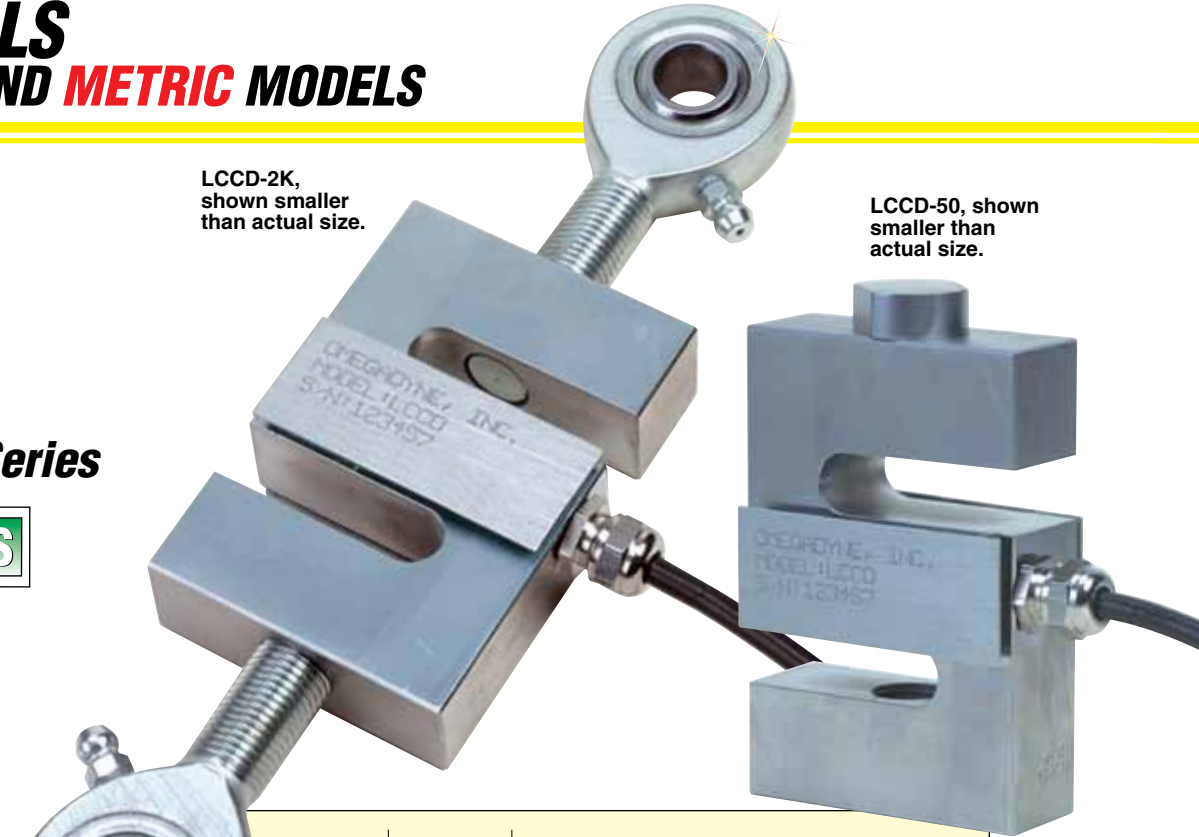
## STANDARD AND METRIC MODELS

**Tension/Compression**  
0-25 lb to 0-20,000 lb  
0-10 kgf to 0-5000 kgf

LCCD-2K,  
shown smaller  
than actual size.

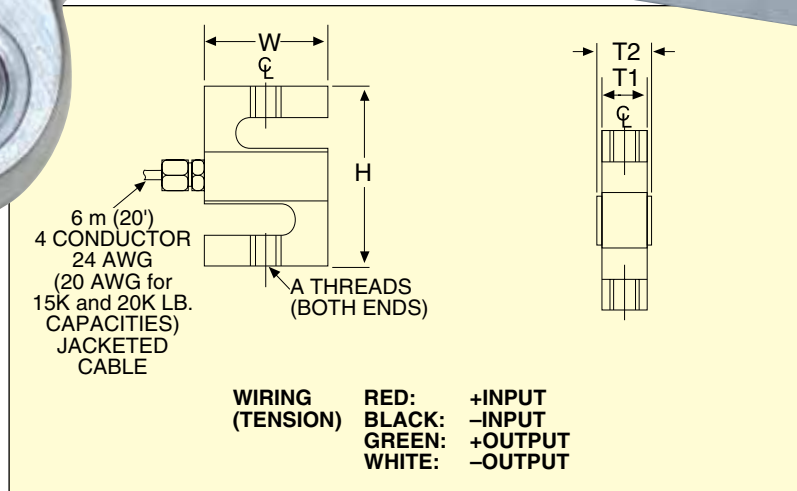
LCCD-50, shown  
smaller than  
actual size.

### LCCD/LCMCD Series



REC-012M rod ends sold  
separately, each.

- ✓ Environmentally Protected to IP67
- ✓ Stainless Steel
- ✓ Calibration Certificate Supplied
- ✓ 0.25% Interchangeability



### SPECIFICATIONS

**Excitation:** 10 Vdc (15 Vdc maximum)  
**Output:** 3.0 mV/V  $\pm 0.25\%$   
**Linearity:** 0.03% FS  
**Hysteresis:** 0.02% FS  
**Repeatability:** 0.01% FS  
**Zero Balance:** 1% FS  
**Creep in 20 min:** 0.03% FS  
**Operating Temperature:**  
 -18 to 66°C (0 to 150°F)  
**Compensated Temperature:**  
 -18 to 66°C (0 to 150°F)  
**Thermal Effects:**  
**Zero:** 0.0027% FS/°C  
**Span:** 0.0015% rdg/°C  
**Maximum Load:** Safe, 150%;  
 ultimate, 300%  
**Bridge Resistance:** 350  $\Omega$  nominal  
**Construction:** 17-4 PH stainless steel  
**Cable:** 6 m (20') 4-conductor shielded  
 22-gage wire PVC cable

CAPACITY	THREADS	Dimensions: mm (inch)			
		H	W	T1	T2
<b>lb</b>					
25 to 200	1/4-28 UNF-2B	63.5 (2.5)	50.8 (2)	10.2 (0.4)	19.1 (0.75)
250	3/8-24 UNF-2B	76.2 (3)	50.8 (2)	12.7 (0.5)	21.6 (0.85)
500 to 2000	1/2-20 UNF-2B	76.2 (3)	50.8 (2)	17.8 (0.7)	25.4 (1)
3000	1/2-20 UNF-2B	76.2 (3)	50.8 (2)	24.1 (0.95)	33 (1.3)
5000 to 10,000	3/4-16 UNF-2B	108 (4.25)	76.2 (3)	24.1 (0.95)	33 (1.3)
15,000	1-14 UNF-2B	139.7 (5.5)	101.6 (4)	31.8 (1.25)	40.6 (1.6)
20,000	1-1/4-12 UNF-2B	177.8 (7)	127 (5)	50.8 (2)	58.4 (2.3)
<b>kgf</b>					
10 to 250	M8 x 1,25-6H	64 (2.5)	51 (2)	11 (0.4)	20 (0.8)
500 to 1000	M12 x 1,75-6H	76 (3)	51 (2)	19 (0.7)	25 (1)
2000	M20 x 1,5-6H	108 (4.3)	76 (3)	25 (1)	34 (1.3)
5000	M20 x 1,5-6H	121 (4.8)	89 (3.5)	25 (1)	34 (1.3)

# ENVIRONMENTALLY PROTECTED LOAD CELLS

## STANDARD AND METRIC MODELS

To Order							
CAPACITY		MODEL NO.	DEFL. (inch)	WT	COMPATIBLE METERS	LOAD BUTTON	ROD END
lb	kgf					MODEL	MODEL
<b>STANDARD MODELS</b>							
25	11	LCCD-25	0.011	0.4 lb	DP25B-S, DP41-S, DPiS	LBC-014	REC-014M
50	23	LCCD-50	0.010	0.4 lb	DP25B-S, DP41-S, DPiS	LBC-014	REC-014M
100	45	LCCD-100	0.010	0.4 lb	DP25B-S, DP41-S, DPiS	LBC-014	REC-014M
150	68	LCCD-150	0.010	0.4 lb	DP25B-S, DP41-S, DPiS	LBC-014	REC-014M
200	91	LCCD-200	0.010	0.4 lb	DP25B-S, DP41-S, DPiS	LBC-014	REC-014M
250	114	LCCD-250	0.010	0.6 lb	DP25B-S, DP41-S, DPiS	LBC-038	REC-038M
500	227	LCCD-500	0.010	1 lb	DP25B-S, DP41-S, DPiS	LBC-012	REC-012M
750	340	LCCD-750	0.006	1 lb	DP25B-S, DP41-S, DPiS	LBC-012	REC-012M
1000	454	LCCD-1K	0.007	1 lb	DP25B-S, DP41-S, DPiS	LBC-012	REC-012M
2000	907	LCCD-2K	0.011	1 lb	DP25B-S, DP41-S, DPiS	LBC-012	REC-012M
3000	1361	LCCD-3K	0.006	1.3 lb	DP25B-S, DP41-S, DPiS	LBC-012	REC-012M
5000	2269	LCCD-5K	0.011	2.3 lb	DP25B-S, DP41-S, DPiS	LBC-034	REC-034M
10,000	4537	LCCD-10K	0.014	2.6 lb	DP25B-S, DP41-S, DPiS	LBC-034	REC-034M
15,000	6806	LCCD-15K	0.018	6 lb	DP25B-S, DP41-S, DPiS	LBC-100	REC-100M
20,000	9074	LCCD-20K	0.028	14 lb	DP25B-S, DP41-S, DPiS	—	REC-114M
<b>METRIC MODELS</b>							
			(mm)				
22	10	LCMCD-10	0.27	0.18 kg	DP25B-S, DP41-S, DPiS	MLBC-M8	MREC-M8M
55	25	LCMCD-25	0.24	0.18 kg	DP25B-S, DP41-S, DPiS	MLBC-M8	MREC-M8M
110	50	LCMCD-50	0.24	0.18 kg	DP25B-S, DP41-S, DPiS	MLBC-M8	MREC-M8M
220	100	LCMCD-100	0.25	0.18 kg	DP25B-S, DP41-S, DPiS	MLBC-M8	MREC-M8M
551	250	LCMCD-250	0.24	0.18 kg	DP25B-S, DP41-S, DPiS	MLBC-M12	MREC-M12M
1102	500	LCMCD-500	0.18	0.37 kg	DP25B-S, DP41-S, DPiS	MLBC-M12	MREC-M12M
2204	1000	LCMCD-1K	0.29	0.37 kg	DP25B-S, DP41-S, DPiS	MLBC-M12	MREC-M12M
4408	2000	LCMCD-2K	0.28	1.0 kg	DP25B-S, DP41-S, DPiS	MLBC-M20	MREC-M20M
11,020	5000	LCMCD-5K	0.36	1.2 kg	DP25B-S, DP41-S, DPiS	MLBC-M20	MREC-M20M

Comes complete with 5-point NIST-traceable calibration and 59 k shunt data.

DPiS meter suitable for one direction measurement only.

Ordering Example: LCCD-1K, 1000 lb capacity load cell.

LCMCD-100, 100 kgf capacity load cell.

## Economical Strain Indicators

### with Built-In Sensor Excitation

### DP25B-S

- ✓ NEMA 4 (IP65) Front Panel
- ✓ 4-Digit Display, -1999 to 9999 Counts
- ✓ Excitation Supply, Front Panel Tare, and Peak Hold Standard
- ✓ Accepts Voltage, Current, or Millivolt Inputs
- ✓ Easily Scaled to Display Readings in Engineering Units
- ✓ Program to Display in Red, Amber, or Green