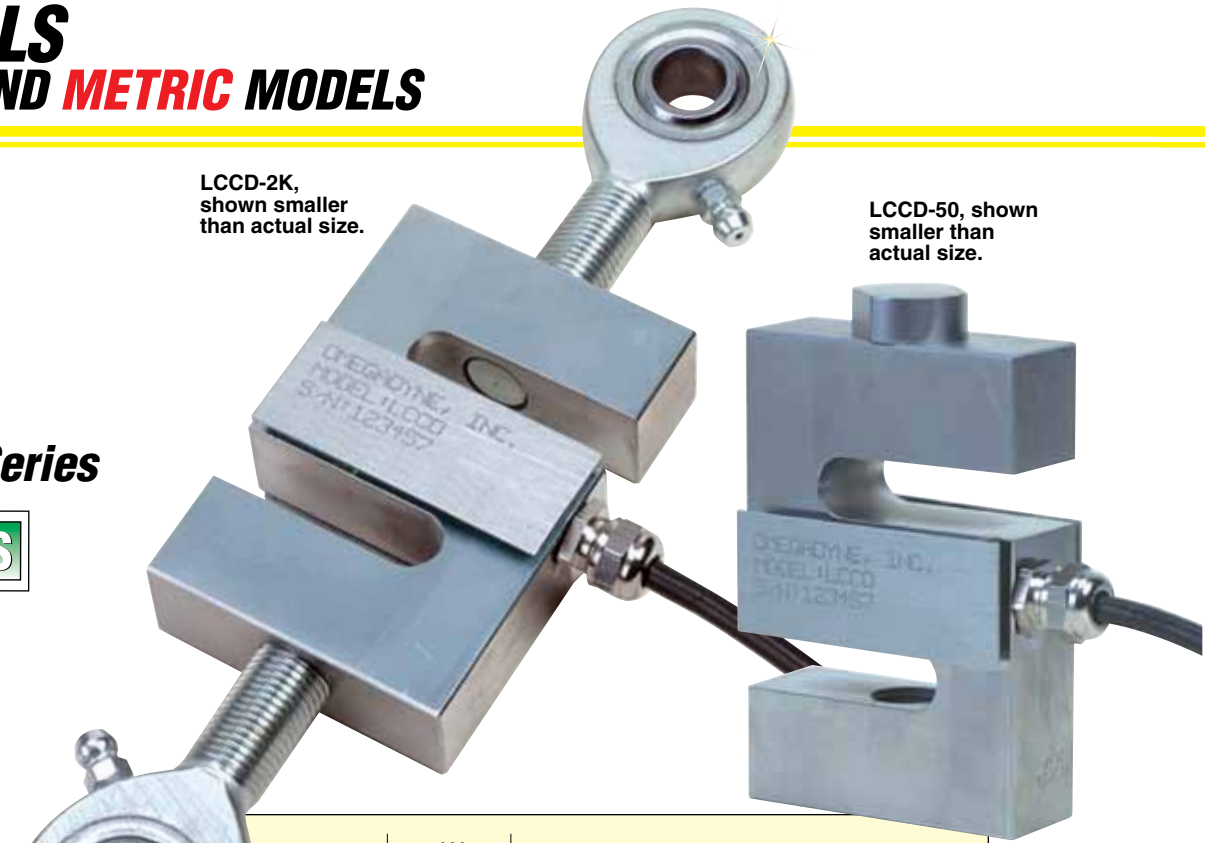
ENVIRONMENTALLY PROTECTED LOAD CELLS

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.

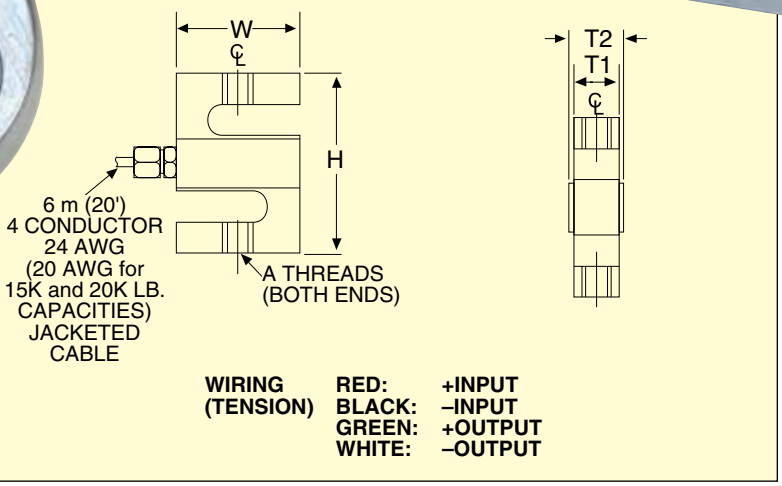


LCCD/LCMCD Series

NIST RoHS

Standard

REC-012M rod ends sold separately, each.



WIRING (TENSION)

RED:	**+INPUT**
BLACK:	**–INPUT**
GREEN:	**+OUTPUT**
WHITE:	**–OUTPUT**

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

SPECIFICATIONS

Excitation: 10 Vdc (15 Vdc maximum)
Output: 3.0 mV/V ±0.25%
Linearity: 0.03% FS
Hysteresis: +/- 0.05% 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 Ω 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
lb					
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)
kgf					
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 lb	CAPACITY kgf	MODEL NO.	DEFL. (inch)	WT	COMPATIBLE METERS	LOAD BUTTON MODEL	ROD END MODEL
STANDARD MODELS							
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**
METRIC MODELS							
			(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

DP25B-S, shown smaller than actual size.