

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



Standard

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: $\pm 0.05\%$ 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

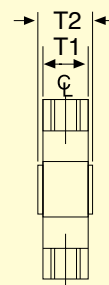
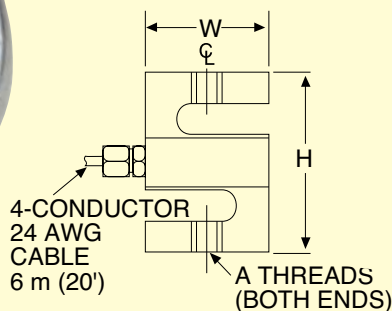
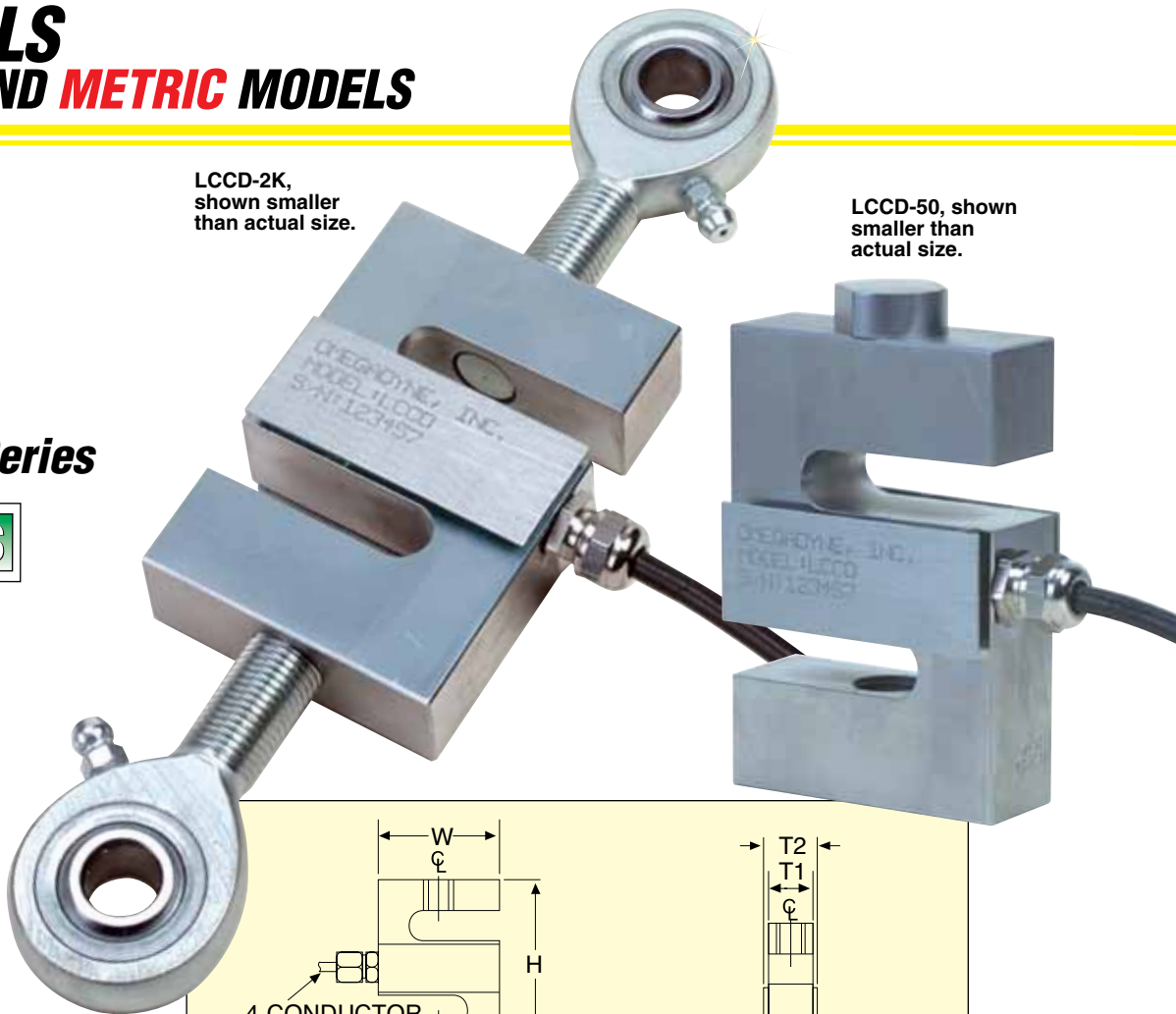
Span: 0.0015% rdg/°C

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



WIRING
(TENSION)

RED: +INPUT
BLACK: -INPUT
GREEN: +OUTPUT
WHITE: -OUTPUT

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)

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STANDARD AND METRIC MODELS

To Order							
CAPACITY		MODEL NO.	DEFL. (inch)	WT	COMPATIBLE METERS*	LOAD BUTTON	ROD END
lb	kgf					MODEL	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 kΩ shunt data.

* Visit us online for compatible meters. DPiS meter suitable for one direction measurement only.

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

LCMCD-100, 100 kgf capacity load cell.

COMPATIBLE METERS/CONTROLLERS FOR PX309 SERIES PRESSURE TRANSDUCERS

The iSeries is available in 1/32, 1/16, and 1/8 DIN programmable process controllers with serial and embedded Internet/Ethernet communications (Order EI Option CNI16D). The iSeries features programmable color displays, free software and ActiveX Controls, selectable full autotune PID control, and NEMA 4 (IP65) rated front bezel. Ordering Examples: DPiS8, strain/process (monitor only), 1/8 DIN, CNI8, strain/process controller with 2 control outputs.

