

HIGH-ACCURACY S-BEAM LOAD CELLS

RUGGED FOR INDUSTRIAL APPLICATIONS

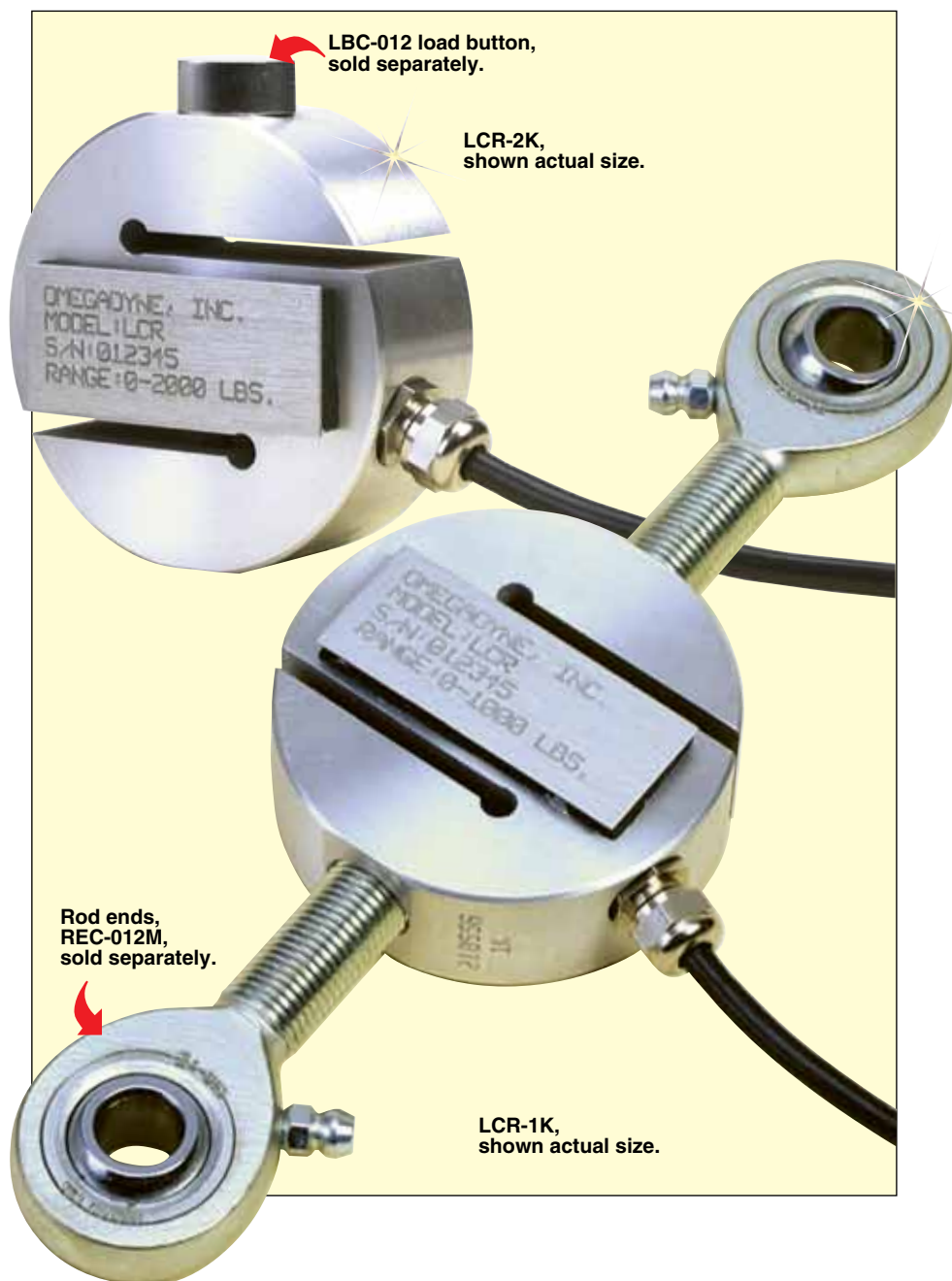
25 to 10,000 lb Capacities
11 to 4536 kgf Capacities

LCR Series



Standard

- ✓ High Accuracy
- ✓ 5-Point Calibration Included
- ✓ 0.25% Interchangeability for Multiple Load Cell Applications
- ✓ Lightweight Aluminum Construction Ranges to 1000 lb
- ✓ Rugged Stainless Steel on Upper Ranges



SPECIFICATIONS

Excitation: 10 Vdc, 15V max

Output: 3 mV/V $\pm 0.25\%$

Calibration: 5 point in tension
(0%, 50%, 100%, 50%, 0%)

Linearity: $\pm 0.03\%$

Hysteresis: $\pm 0.05\%$

Repeatability: $\pm 0.01\%$

Creep (20 min): $\pm 0.03\%$

Operating Temperature: -18 to 71°C
(0 to 150°F)

Compensated Temperature:

17 to 71°C (60 to 160°F)

Thermal Effects:

Zero: $\pm 0.0027\%$ FS/°C

Span: $\pm 0.0015\%$ rdg/°C

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Bridge Resistance: 350 Ω nominal

Protection Level: IP55

Material:

≤ 1000 lb Ranges: Aluminum

> 1000 lb Ranges: 17-4 PH SS

Electrical Connection: 6 m (20')

Wiring:

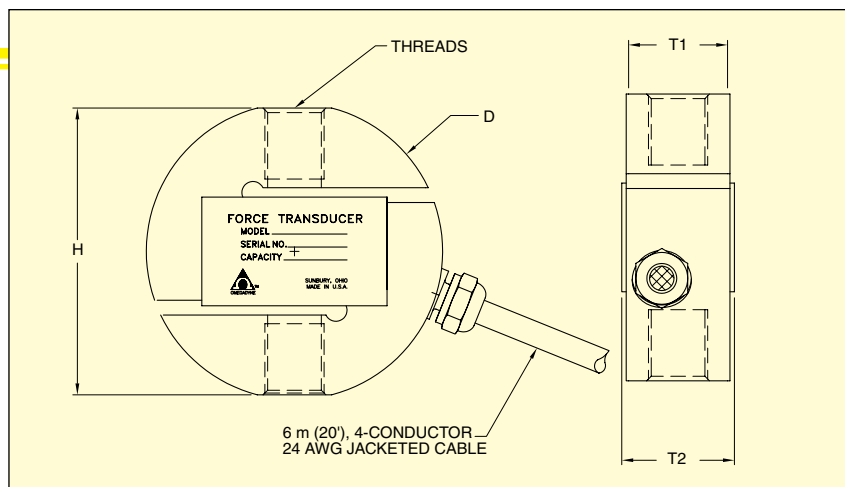
Red: (+) Excitation

Black: (-) Excitation

Green: (+) Output

White: (-) Output

ECONOMICAL S-BEAM LOAD CELLS



CAPACITY		THREADS	Dimensions: mm (inch)		WEIGHT			kg (lb)
lb	kgf		H	D	T1	T2	DEFL.	
25	11	1/4-28 UNF-2B	49 (1.94)	51 (2)	14 (0.55)	23 (0.9)	0.28 (0.01)	0.18 (0.4)
50	23	1/4-28 UNF-2B	49 (1.94)	51 (2)	14 (0.55)	23 (0.9)	0.25 (0.01)	0.18 (0.4)
100	45	1/4-28 UNF-2B	49 (1.94)	51 (2)	14 (0.55)	23 (0.9)	0.23 (0.01)	0.18 (0.4)
150	68	1/4-28 UNF-2B	49 (1.94)	51 (2)	14 (0.55)	23 (0.9)	0.23 (0.01)	0.18 (0.4)
200	91	1/4-28 UNF-2B	49 (1.94)	51 (2)	14 (0.55)	23 (0.9)	0.25 (0.01)	0.18 (0.4)
250	113	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	0.36 (0.8)
500	227	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	0.36 (0.8)
750	340	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	0.36 (0.8)
1000	454	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	1.04 (2.3)
2000	907	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	1.04 (2.3)
3000	1361	1/2-20 UNF-2B	61 (2.42)	64 (2.5)	22 (0.88)	30 (1.2)	0.23 (0.01)	1.04 (2.3)
5000	2269	3/4-16 UNF-2B	87 (3.4)	89 (3.5)	32 (1.25)	38 (1.5)	0.28 (0.01)	2.54 (5.6)
10,000	4537	3/4-16 UNF-2B	87 (3.4)	89 (3.5)	32 (1.25)	46 (1.8)	0.36 (0.01)	3.09 (6.8)

To Order				 	
CAPACITY		MODEL NO.	COMPATIBLE METERS	LOAD BUTTON	ROD END
lb	kgf			MODEL NO.	MODEL NO.
25	11	LCR-25	DP41-S, DP25B-S, DPiS	LBC-014	REC-014M
50	23	LCR-50	DP41-S, DP25B-S, DPiS	LBC-014	REC-014M
100	45	LCR-100	DP41-S, DP25B-S, DPiS	LBC-014	REC-014M
150	68	LCR-150	DP41-S, DP25B-S, DPiS	LBC-014	REC-014M
200	91	LCR-200	DP41-S, DP25B-S, DPiS	LBC-014	REC-014M
250	113	LCR-250	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
500	227	LCR-500	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
750	340	LCR-750	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
1000	454	LCR-1K	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
2000	907	LCR-2K	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
3000	1361	LCR-3K	DP41-S, DP25B-S, DPiS	LBC-012	REC-012M
5000	2269	LCR-5K	DP41-S, DP25B-S, DPiS	LBC-034	REC-034M
10,000	4537	LCR-10K	DP41-S, DP25B-S, DPiS	LBC-034	REC-034M

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

Ordering Example: **LCR-1K**, 1000 lb capacity load cell, and two **REC-012M**, rod ends.

* DPiS meter suitable for one direction measurement only.