



HIGH-ACCURACY S-BEAM LOAD CELLS RUGGED FOR INDUSTRIAL APPLICATIONS

LCR Series
25 to 10,000 lb Capacities
11 to 4536 kg Capacities

Starts at
£181



- ✓ 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, 15 V max

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

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

Linearity: $\pm 0.03\%$

Hysteresis: $\pm 0.02\%$

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

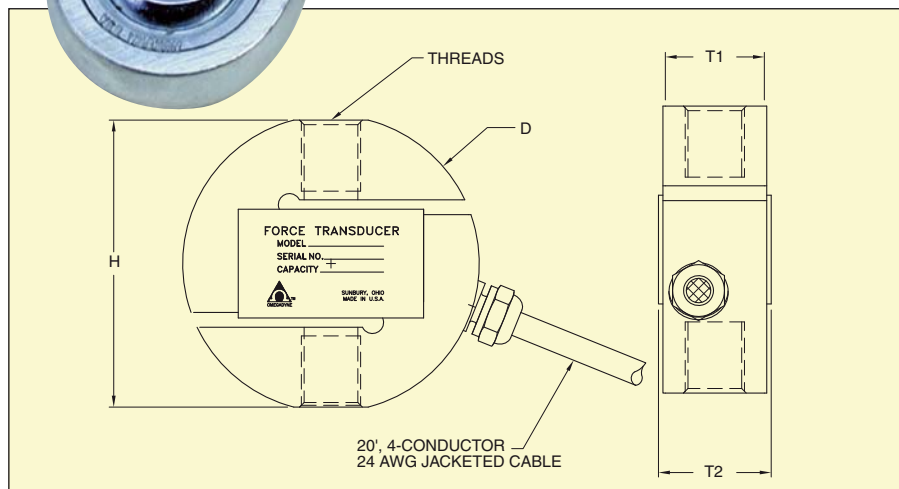
Protection Level: IP55



LCR-2K, £188, shown smaller than actual size.

Rod ends,
REC-012M, £30,
sold separately.

LCR-1K, £181, shown smaller than actual size.





ECONOMICAL S-BEAM LOAD CELLS

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



CAPACITY		THREADS	Dimensions: mm (in)				WEIGHT kg (lb)	
lb	kg		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	74 (2.9)	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	74 (2.9)	89 (3.5)	32 (1.25)	46 (1.8)	0.36 (0.01)	3.09 (6.8)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)								
CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*	LOAD BUTTON		ROD END	
lb	kg				MODEL NO.	PRICE	MODEL NO.	PRICE
25	11	LCR-25	£181	DP41-S, DP25B-S, DPi8-S	LBC-014	£27	REC-014M	£16.75
50	23	LCR-50	181	DP41-S, DP25B-S, DPi8-S	LBC-014	27	REC-014M	16.75
100	45	LCR-100	181	DP41-S, DP25B-S, DPi8-S	LBC-014	27	REC-014M	16.75
150	68	LCR-150	181	DP41-S, DP25B-S, DPi8-S	LBC-014	27	REC-014M	16.75
200	91	LCR-200	181	DP41-S, DP25B-S, DPi8-S	LBC-014	27	REC-014M	16.75
250	113	LCR-250	181	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	30
500	227	LCR-500	181	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	30
750	340	LCR-750	181	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	30
1000	454	LCR-1K	181	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	30
2000	907	LCR-2K	188	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	30
3000	1361	LCR-3K	228	DP41-S, DP25B-S, DPi8-S	LBC-012	27	REC-012M	43.50
5000	2269	LCR-5K	281	DP41-S, DP25B-S, DPi8-S	LBC-034	37	REC-034M	43.50
10,000	4537	LCR-10K	295	DP41-S, DP25B-S, DPi8-S	LBC-034	37	REC-034M	43.50

Ordering Examples: LCR-1K, 1000 lb capacity load cell, £181. Two REC-012M, rod ends, £60.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4549	£74	Reference Book: A Century of Excellence in Measurements, Standards, and Technology

LOAD CELLS

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