

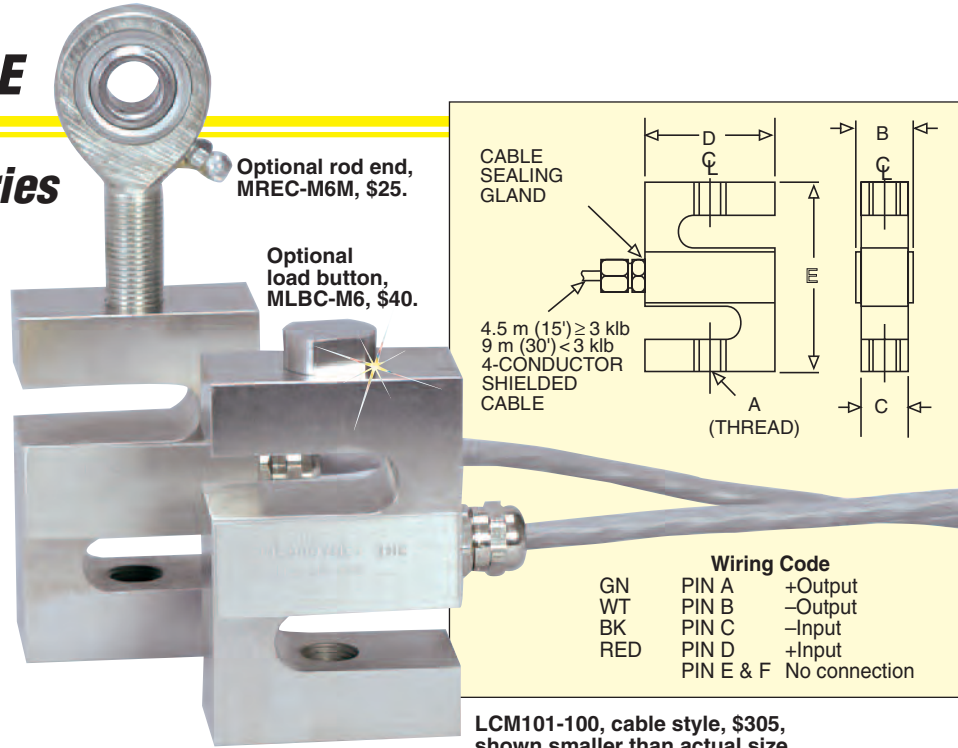
# STAINLESS STEEL "S" BEAM LOAD CELLS

## HIGH ACCURACY, ECONOMICAL PRICE

### LCM101/LCM111 Series

Tension/Compression  
**LCM101 (Cable Style)**  
**LCM111 (Connector Style)**  
 10 kgf to 10,000 kgf

Starts at  
**\$305**



Dimensions: mm (in)

CAPACITY (kgf)	A	B	C	D	E	WEIGHT kg (lb)
10 to 100	M6 x 1.00	19 (0.75)	13 (0.50)	38 (1.5)	64 (2.5)	0.45 (1.0)
250 to 1000	M12 x 1.75	32 (1.25)	25 (1.0)	51 (2.0)	76 (3.0)	1.1 (2.5)
1500 to 2000	M16 x 2.0	32 (1.25)	25 (1.0)	51 (2.5)	89 (3.5)	1.6 (3.5)
5 K to 10 K	M24 x 2.00	44 (1.75)	38 (1.5)	76 (3.0)	108 (4.3)	2.0 (4.5)

- ✓ FM Intrinsically Safe
- ✓ All Stainless Steel for Harsh Industrial Applications
- ✓ 0.25% Interchangeability for Multiple Load Cell Applications
- ✓ Calibrated in Tension
- ✓ 5-Point Calibration

**Electrical (LCM101):**  
 <100 kgf: 9 m (30') 24 AWG  
 ≥250 kgf: 4.6 m (15') 20 AWG  
 ≥1500 kgf: 4.6 m (15') 20 AWG  
 (4-conductor shielded cable)

**Mating Connector (LCM111):**  
 ≤100 kgf: PT06F8-4S (not included)  
 ≥250 kgf: PT06F10-6S (not included)

**MOST POPULAR MODELS HIGHLIGHTED!**

**To Order (Specify Model Number)**

CAPACITY		MODEL			COMPATIBLE METERS*	LOAD BUTTON		ROD END	
kgf	lbf	CABLE	CONNECTOR	PRICE		MODEL NO.	PRICE	MODEL NO.	PRICE
10	22	LCM101-10	LCM111-10	\$305	iSeries, DP41-S, DP25B-S	MLBC-M6	\$40	MREC-M6M	\$25
25	55	LCM101-25	LCM111-25	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
50	110	LCM101-50	LCM111-50	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
100	220	LCM101-100	LCM111-100	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
250	551	LCM101-250	LCM111-250	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
500	1102	LCM101-500	LCM111-500	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
1000	2205	LCM101-1K	LCM111-1K	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
1500	3307	LCM101-1.5K	LCM111-1.5K	365	iSeries, DP41-S, DP25B-S	MLBC-M16	40	MREC-M16M	65
2000	4409	LCM101-2K	LCM111-2K	445	iSeries, DP41-S, DP25B-S	MLBC-M16	40	MREC-M16M	65
5000	11,023	LCM101-5K	LCM111-5K	465	iSeries, DP41-S, DP25B-S	MLBC-M24	55	MREC-M24M	520
10,000	22,046	LCM101-10K	LCM111-10K	675	iSeries, DP41-S, DP25B-S	MLBC-M24	55	MREC-M24M	520

Comes with 5-point NIST-traceable calibration.

\* See section D for compatible meters.

**Ordering Examples:** LCM111-100, 100 kgf capacity connector-style load cell, \$305. PT06F8-4S, mating connector (not included), \$24 ea. MREC-M6M, matching rod end, \$25 ea. MLBC-M6, matching load button, \$40. LCM101-2K, 2000 kgf capacity cable-style load cell, \$445. MREC-M16M, matching rod end, \$65 ea.

### SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 3 mV/V ±0.0075 mV/V

Linearity: ±0.03% FSO

Hysteresis: ±0.02% FSO

Repeatability: ±0.01% FSO

Zero Balance: ±1% FSO

Agency Approval: FM Intrinsically Safe IS/I.II.III/1/CDEFG (standard)

Operating Temp Range:

-40 to 93°C (-40 to 200°F)

Compensated Temp Range:

17 to 71°C (60 to 160°F)

Thermal Effects:

Zero: 0.0018% FSO/°C

Span: 0.0018% FSO/°C

Safe Overload: 150% of capacity

Ultimate Overload:

300% of capacity

Input Resistance: 350 ±10 Ω

Output Resistance: 350 ±10 Ω

Full Scale Deflection:

0.25 to 0.50 mm

Construction: 17-4 PH stainless steel

Recommended Reference Book: Measure for Measure, OP-17, \$15. See Section Y for Additional Books.





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