

# ALL STAINLESS STEEL "S" BEAM LOAD CELLS

## HIGH ACCURACY, ECONOMICAL PRICE

### STANDARD AND METRIC MODELS

#### LC101/LCM101 Series LC111/LCM111 Series

Tension/Compression  
0-25 lb to 0-40,000 lb  
0-10 kgf to 0-10,000 kgf

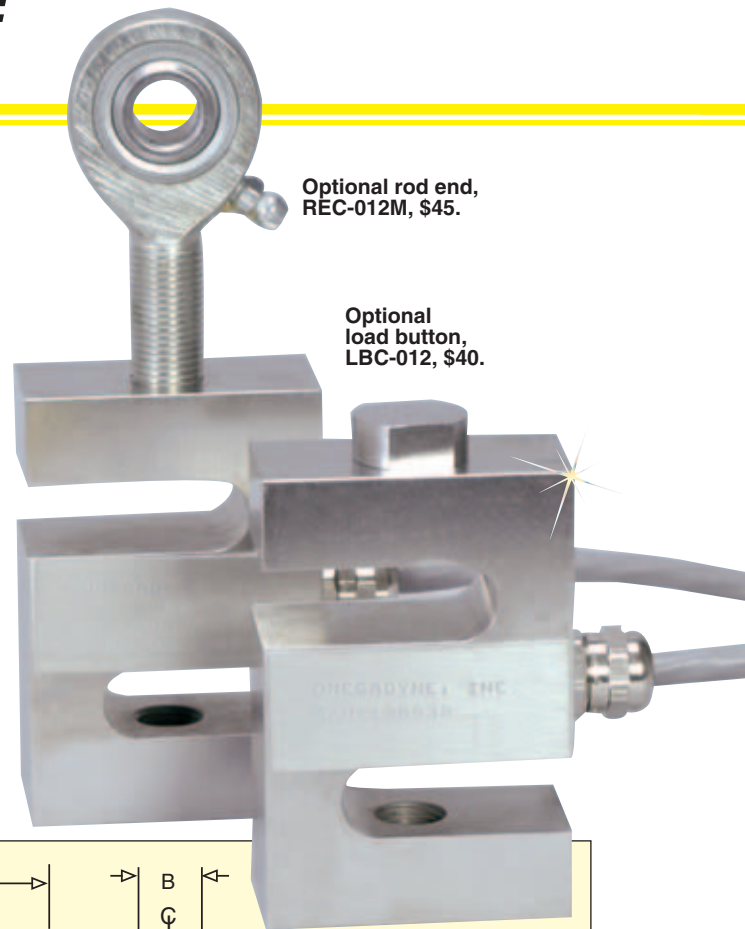
Starts at  
**\$305**



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

#### SPECIFICATIONS

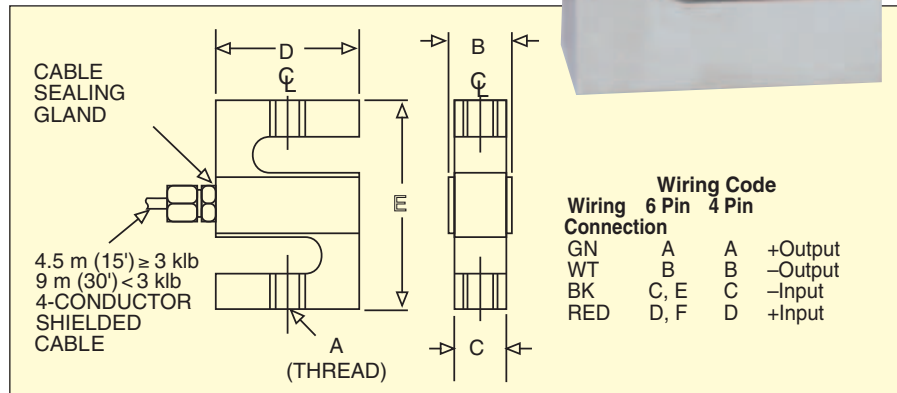
**Excitation:** 10 Vdc, 15 Vdc max  
**Output:** 3 mV/V  $\pm 0.0075$  mV/V  
**Linearity:**  $\pm 0.03\%$  FSO (0.1% 40 K)  
**Hysteresis:**  $\pm 0.02\%$  FSO (0.1% 40 K)  
**Repeatability:**  $\pm 0.01\%$  FSO (0.05% 40 K)  
**Zero Balance:**  $\pm 1\%$  FSO  
**Agency Approval:** FM Intrinsically 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:** 0.002% FSO/°C  
**Span:** 0.002% FSO/°C  
**Safe Overload:** 150% of capacity  
**Ultimate Overload:** 300% of capacity  
**Input Resistance:** 350  $\pm 10$   $\Omega$   
**Output Resistance:** 350  $\pm 10$   $\Omega$   
**Full Scale Deflection:** 0.010 to 0.020"  
**Construction:** 17-4 PH stainless steel



Optional rod end,  
REC-012M, \$45.

Optional  
load button,  
LBC-012, \$40.

**STANDARD**  
LC101-2K, \$305,  
shown slightly  
smaller than  
actual size.



#### Electrical (LC101/LCM101) (4-Conductor Shielded Cable):

<100 kgf/250 lb: 9 m (30') 24 AWG  
 250 to 1000 kgf/250 to 2000 lb:  
 9 m (30') 20 AWG  
 ≥1500 kgf/3000 lb: 4.5 m (15') 20 AWG

#### Mating Connector (LC111/LCM111):

≤100 kgf/200 lb: PT06F8-4S,  
 sold separately  
 ≥250 kgf/250 lb: PT06F10-6S,  
 sold separately

#### Dimensions: mm (in)

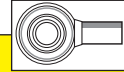
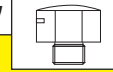
CAPACITY	A	B	C	D	E	WEIGHT kg (lb)
<b>lb</b>						
25 to 200	1/4-28	19 (0.75)	13 (0.50)	38 (1.5)	64 (2.5)	0.45 (1.0)
250 to 2.5K	1/2-20	32 (1.25)	25 (1.0)	51 (2.0)	76 (3.0)	1.1 (2.5)
3K to 5K	5/8-18	32 (1.25)	25 (1.0)	51 (2.5)	89 (3.5)	1.6 (3.5)
10K to 20K	1-14	44 (1.75)	38 (1.5)	76 (3.0)	108 (4.3)	2.0 (4.5)
25K to 30K	1-14	57 (2.25)	51 (2.0)	102 (4.0)	108 (4.3)	4 (9)
40K	1 1/4-12	83 (3.25)	76 (3.0)	102 (4.0)	140 (5.5)	6 (13)
<b>kgf</b>						
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)
5K to 10K	M24 x 2.00	44 (1.75)	38 (1.5)	76 (3.0)	108 (4.3)	2.0 (4.5)

# ALL STAINLESS STEEL "S" BEAM LOAD CELLS

## HIGH ACCURACY, ECONOMICAL PRICE

### STANDARD AND METRIC MODELS

**MOST POPULAR MODELS HIGHLIGHTED!**



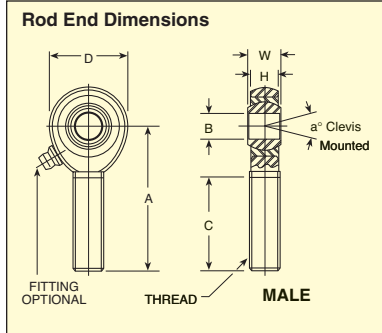
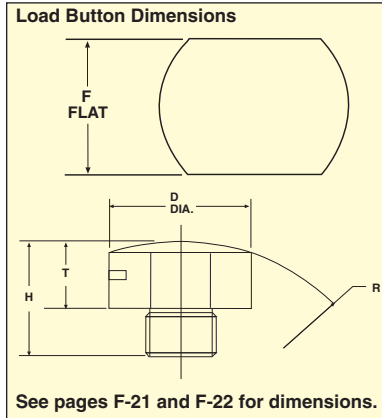
### To Order (Specify Model Number)

#### STANDARD LOAD BUTTONS

MODEL	PRICE	THREAD
LBC-014	\$40	¼-28
LBC-012	40	½-20
LBC-058	45	⅝-18
LBC-100	55	1-14
LBC-114	60	1¼-12

#### METRIC LOAD BUTTONS

MODEL NO.	PRICE	THREAD
MLBC-M6	\$40	M6 x 1.0
MLBC-M12	40	M12 x 1.75
MLBC-M16	40	M16 x 2.0
MLBC-M24	55	M24 x 2.0



CAPACITY		MODEL		PRICE	COMPATIBLE METERS*	LOAD BUTTON		ROD END	
lb	kgf	CABLE	CONNECTOR			MODEL NO.	PRICE	MODEL NO.	PRICE
<b>STANDARD MODELS</b>									
25	11	LC101-25	LC111-25	\$305	DP41-S, DP25B-S	LBC-014	\$40	REC-014M	\$25
50	23	LC101-50	LC111-50	305	DP41-S, DP25B-S	LBC-014	40	REC-014M	25
100	45	LC101-100	LC111-100	305	DP41-S, DP25B-S	LBC-014	40	REC-014M	25
200	91	LC101-200	LC111-200	305	DP41-S, DP25B-S	LBC-014	40	REC-014M	25
250	114	LC101-250	LC111-250	305	DP41-S, DP25B-S	LBC-012	40	REC-012M	45
500	227	LC101-500	LC111-500	305	DP41-S, DP25B-S	LBC-012	40	REC-012M	45
1000	455	LC101-1K	LC111-1K	305	DP41-S, DP25B-S	LBC-012	40	REC-012M	45
2000	909	LC101-2K	LC111-2K	305	DP41-S, DP25B-S	LBC-012	40	REC-012M	45
3000	1361	LC101-3K	LC111-3K	365	DP41-S, DP25B-S	LBC-058	45	REC-058M	69
5000	2269	LC101-5K	LC111-5K	445	DP41-S, DP25B-S	LBC-058	45	REC-058M	69
10,000	4537	LC101-10K	LC111-10K	465	DP41-S, DP25B-S	LBC-100	55	REC-100M	135
20,000	9074	LC101-20K	LC111-20K	675	DP41-S, DP25B-S	LBC-100	55	REC-100M	135
25,000	11,343	LC101-25K	LC111-25K	825	DP41-S, DP25B-S	LBC-100	55	REC-100M-1	250
30,000	13,612	LC101-30K	LC111-30K	825	DP41-S, DP25B-S	LBC-100	55	REC-100M-1	250
40,000	18,149	LC101-40K	LC111-40K	875	DP41-S, DP25B-S	LBC-114	60	REC-114M	95
<b>METRIC MODELS</b>									
22	10	LCM101-10	LCM111-10	\$305	iSeries, DP41-S, DP25B-S	MLBC-M6	\$40	MREC-M6M	\$25
55	25	LCM101-25	LCM111-25	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
110	50	LCM101-50	LCM111-50	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
220	100	LCM101-100	LCM111-100	305	iSeries, DP41-S, DP25B-S	MLBC-M6	40	MREC-M6M	25
551	250	LCM101-250	LCM111-250	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
1102	500	LCM101-500	LCM111-500	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
2205	1000	LCM101-1K	LCM111-1K	305	iSeries, DP41-S, DP25B-S	MLBC-M12	40	MREC-M12M	35
3307	1500	LCM101-1.5K	LCM111-1.5K	365	iSeries, DP41-S, DP25B-S	MLBC-M16	40	MREC-M16M	65
4409	2000	LCM101-2K	LCM111-2K	445	iSeries, DP41-S, DP25B-S	MLBC-M16	40	MREC-M16M	65
11,023	5000	LCM101-5K	LCM111-5K	465	iSeries, DP41-S, DP25B-S	MLBC-M24	55	MREC-M24M	520
22,046	10,000	LCM101-10K	LCM111-10K	675	iSeries, DP41-S, DP25B-S	MLBC-M24	55	MREC-M24M	520

#### ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
PT06F8-4S	\$26.50	Mating connector for LC111/LCM111 series load cells, 200 lb, <100 kg
PT06F10-6S	26.50	Mating connector for LC111/LCM111 series load cells, 250 lb, >250 kg

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

\* See section D for compatible meters.

To order connector style, change model number to **LC111**, no extra charge. Mating connector sold separately.

**Ordering Examples:** LC111-200, 200 lb capacity connector-style load cell, \$305.

LCM111-100, 100 kgf capacity connector-style load cell, \$305. PT06F8-4S, mating connector, \$26.50 ea. REC-014M, matching rod end, \$25 ea. LBC-014, matching load button, \$40.

LC101-5K, 5000 lb capacity cable-style load cell, \$445. REC-058M, matching rod end, \$69 ea.

### Rod Ends (Specify Model Number) Dimensions: mm (in)

MALE ROD ENDS	PRICE	THREAD	B	W	H	A	D	C	a°	STATIC LOAD lb
REC-014M	\$25	¼-28 UNF	5 (0.190)	8 (0.312)	6 (0.250)	40 (1.562)	19 (0.750)	25 (1.000)	10	2158
REC-012M	45	½-20 UNF	11 (0.4375)	14 (0.562)	11 (0.437)	62 (2.438)	33 (1.312)	38 (1.500)	12	23,452
REC-058M	69	⅝-18 UNF	13 (0.5000)	16 (0.625)	13 (0.500)	67 (2.625)	38 (1.500)	41 (1.625)	10	31,390
REC-100M	135	1-14 UNF	25 (1.000)	35 (1.375)	25 (1.000)	105 (4.125)	70 (2.750)	545 (2.120)	14	43,541
REC-114M	150	1¼-12 UNF	32 (1.250)	28 (1.093)	24 (0.937)	105 (4.125)	70 (2.750)	54 (2.125)	7	44,500
MREC-M6M	25	M6 x 1.0	6 (0.236)	9 (0.354)	7 (0.275)	36 (1.417)	19 (0.748)	22 (0.866)	13	17,720
MREC-M12M	35	M12 x 1.75	12 (0.472)	16 (0.630)	12 (0.472)	54 (2.126)	30 (1.181)	33 (1.300)	17	44,490
MREC-M16M	65	M16 x 2.0	16 (0.630)	21 (0.826)	14.25 (0.561)	66 (2.598)	38 (1.496)	40 (1.575)	23	76,291
MREC-M24M	520	M24 x 2.0	25 (0.984)	31 (1.220)	22 (0.866)	95 (3.740)	60 (2.362)	57 (2.244)	19	251,780