

HIGH-ACCURACY STAINLESS STEEL CANTILEVER BEAMS

SELF-ADJUSTING WEIGH MODULES AVAILABLE

IP67
Protection
Level.

LCM501/LCM511 Series

Tension/Compression
LCM501 (Cable Style)
LCM511 (Connector Style)
25 kgf to 10,000 kgf

Starts at
£228



- ✓ All Stainless Steel Construction
- ✓ 0.25% Interchangeability for Multiple Cell Applications
- ✓ 5-Point Calibration Provided

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 3 mV/V ±0.25%

5-Point Calibration (in Compression):

0%, 50%, 100%, 50%, 0%

Linearity: ±0.03% FSO

Hysteresis: ±0.02% FSO

Repeatability: ±0.02% FSO

Zero Balance: ±1% FSO

Agency Approvals: FM Intrinsically Safe IS/II, III/1/CDEFG

Operating Temp Range: -34 to 82°C

Compensated Temp Range: 16 to 71°C

Thermal Effects:

Zero: ±0.0018% FSO/°C

Span: ±0.0018% FSO/°C

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 360 minimum

Output Resistance: 350 ±10

FS Deflection: 0.5 mm typical

Construction: 17-4 PH SS

Electrical:

LCM501: 4.6 m, 4-conductor screened cable

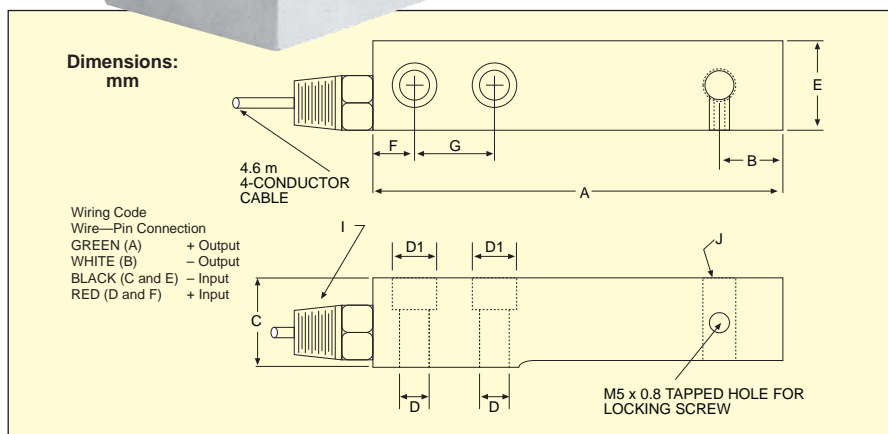
LCM511: 6-pin DT02H-10-6P (or equiv.)

Mating Connector (LCM511):

PT06F10-6S, £17.75 (not included)



LCM501-50, £228, shown smaller than actual size.



Dimensions: mm

CAPACITY (kgf)	A	B	C	D	D1	E	F	G	H	I	J	WEIGHT (kg)
25 to 250	121	19	25	9.9	15	25	13	25	3/8-18 UNC	M12 x 1.75		0.9
500 to 2500	173	25	38	13	20	38	13	38	1/2-14 UNC	M12 x 1.75		1.8
5000	197	25	38	20	n/a	38	19	51	1/2-14 UNC	M20 x 1.5		2.3

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		CABLE STYLE	CONNECTOR STYLE	PRICE	COMPATIBLE METERS**
kgf	lbf				
25	55	LCM501-25	LCM511-25	£228	DPiS, DP41-B, DP25B-S
50	110	LCM501-50	LCM511-50	228	DPiS, DP41-B, DP25B-S
100	220	LCM501-100	LCM511-100	228	DPiS, DP41-B, DP25B-S
250	551	LCM501-250	LCM511-250	228	DPiS, DP41-B, DP25B-S
500	1102	LCM501-500	LCM511-500	228	DPiS, DP41-B, DP25B-S
1000	2205	LCM501-1K	LCM511-1K	235	DPiS, DP41-B, DP25B-S
2500	5512	LCM501-2.5K	LCM511-2.5K	235	DPiS, DP41-B, DP25B-S
5000	11,023	LCM501-5K	LCM511-5K	298	DPiS, DP41-B, DP25B-S
10,000	22,046	LCM501-10K	LCM511-10K	466	DPiS, DP41-B, DP25B-S*

Comes with 5-point traceable calibration.

* 4-digit meter. ** See page 291 for compatible meters.

Note: Base plates are nickel-plated carbon steel. Accessory hardware: TWAM series (see omega.co.uk); self-adjusting weigh modules: TWAM5: nickel-plated carbon steel; TWAM6: stainless steel; models for loads from: 0 to 25 to 0 to 10,000 kg

To order stainless steel base plates (see Accessories), specify MBP-10-SS, £47.

MBP-15-SS, £96. MBP-20-SS, £96.

To order load cells with a Bendix connector, specify LCM511, no extra charge.

PT06F10-6S, mating connector (not included), £17.75.

Ordering Examples: LCM511-5K, 5000 kgf capacity load cell with Bendix connector, £298.

PT06F10-6S, mating connector, £17.75. MREC-M20M, optional rod end, £37. MBP-15,

optional base plate, £51. LCM501-100, 100 kgF capacity load cell with 4.6 m cable, £228.

MREC-M12M, optional rod end, £23.50. MBP-10, optional base plate, £29.50.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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