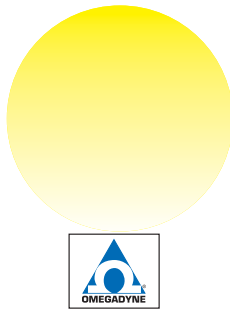


# MINIATURE LOW-PROFILE UNIVERSAL LINKS

## LOW-PROFILE 19 TO 25 mm HEIGHT

### LCM703 Series Tension/Compression Calibrated in Tension 5 kgf to 500 kgf

1 Newton = 0.2248 lb  
1 kgf = 10 Newtons  
1 kg = 2.204 lb  
1 t = 1000 kg = 2204 lb



- ✓ Low Profile
- ✓ High Accuracy
- ✓ Rugged Industrial Design

The LCM703 Series comprises economical universal (tension/compression) load cells with an extremely low profile. Ranges above 50 kg are stainless steel; ranges below 50 kg are aluminium. The low profile and rugged design make LCM703 suitable for many industrial applications, including robotics, automated weighing systems, and batch-process control systems.

#### SPECIFICATIONS

**Excitation:** 10 Vdc (15V max)

**Output:** 2 mV/V nominal

**5-Point Calibration:**  
0%, 50%, 100%, 50%, 0%

**Linearity:**  
5 to 50 kg: ±0.15%  
75 to 500 kg: ±0.10%

**Hysteresis:**  
5 to 50 kg: ±0.15%  
75 to 500 kg: ±0.10%

**Repeatability:** ±0.05%

**Zero Balance:** ±1.0% FSO

**Operating Temp Range:**  
-40 to 82°C

**Compensated Temp Range:**  
16 to 71°C

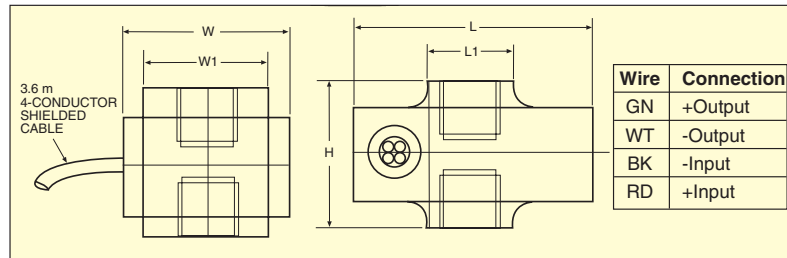
**Thermal Effects:**  
**Zero:** ±0.009% FSO/°C  
**Span:** ±0.009% FSO/°C



LCM703-10,  
shown actual size.



LCM703-250,  
shown actual size.



Dimensions: mm

CAPACITY (kgf)	L (Max)	L1	W	W1	H	THREAD
5	38	14	14	9.5	19	M5 x .8-6H
10 to 50	41	14	17	13	19	M6 x 1.00-6H
75 to 500	44	14	24	19	25	M10 x 1.5-6H

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Output Resistance:** 350 ±10 Ω

**Input Resistance:** 360 Ω minimum

**Full Scale Deflection:** 0.076 mm nominal

**Construction:**

50 kg: Aluminium

>50 kg: 17-4 PH stainless steel

**Electrical:** 3.6 m screened  
4-conductor cable

■ MOST POPULAR MODELS HIGHLIGHTED!

#### To Order (Specify Model Number)

CAPACITY	MODEL NO.	COMPATIBLE METERS*	ROD END	PRICE
kgf	lbf			
5	11	LCM703-5	DP41-W, DP41-B, DP25B-S	MREC-M5M
10	22	LCM703-10	DP41-W, DP41-B, DP25B-S	MREC-M6M
25	55	LCM703-25	DP41-W, DP41-B, DP25B-S	MREC-M10M
50	110	LCM703-50	DP41-W, DP41-B, DP25B-S	MREC-M10M
75	165	LCM703-75	DP41-W, DP41-B, DP25B-S	MREC-M10
100	220	LCM703-100	DP41-W, DP41-B, DP25B-S	MREC-M10M
150	331	LCM703-150	DP41-W, DP41-B, DP25B-S	MREC-M10M
250	551	LCM703-250	DP41-W, DP41-B, DP25B-S	MREC-M10M
500	1102	LCM703-500	DP41-W, DP41-B, DP25B-S	MREC-M10M

Comes with 5-point traceable calibration.

\* See page 291 for compatible meters.

**Ordering Example:** LCM703-100, 100 kgf capacity universal link with 3.6 m cable, £198.  
MREC-M10M, accessory rod ends, £13.50 ea.

#### ACCESSORY

MODEL NO.	DESCRIPTION
OP-17	Reference Book: Measure for Measure

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