

SUBMINIATURE TENSION OR COMPRESSION LOAD CELLS 19 mm DIAMETER

LCM201 Series Tension/Compression Calibrated in Tension 100 N to 500 N

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

All Models
£325



LCM201-500N, £325, shown larger than actual size.

- ✓ Subminiature Package for Robotic Applications (19 mm Diameter)
- ✓ Dual Mounting Studs for Easy Installation
- ✓ 5-Point Calibration Provided

OMEGA's LCM201 Series subminiature load cells are designed for the demanding environment of industrial automation and robotics. With a diameter of only 19 mm and all stainless steel construction, they can fit into small systems and survive harsh conditions. The LCM201 delivers high accuracy and long-term reliability in a subminiature package.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 2 mV/V nominal

Accuracy: ±1.0% FSO (linearity, hysteresis, repeatability combined)

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

Zero Balance: ±2% FSO

Deflection: 0.025 to 0.075 mm

Operating Temp Range: -54 to 121°C

Compensated Temp Range: 16 to 71°C

Thermal Effects:

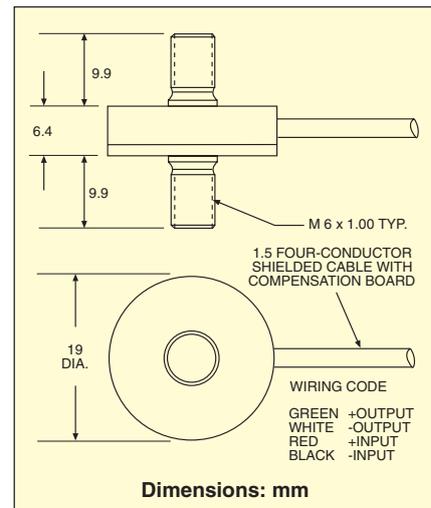
Zero: 0.018% FSO/°C

Span: 0.018% FSO/°C



Actual size.

Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Input Resistance: 360 Ω minimum
Output Resistance: 350 ±10 Ω
Construction: Stainless steel
Electrical: 1.5 m 4-conductor screened cable with compensation board



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*	ROD END	PRICE
N	lb					
100	22	LCM201-100N	£325	DPiS, DP41-B, DP25B-S	MREC-M6F	£10
200	45	LCM201-200N	325	DPiS, DP41-B, DP25B-S	MREC-M6F	10
300	67	LCM201-300N	325	DPiS, DP41-B, DP25B-S	MREC-M6F	10
500	112	LCM201-500N	325	DPiS, DP41-B, DP25B-S	MREC-M6F	10

Comes with 5-point traceable calibration.

* See page 291 for compatible meters.

Ordering Examples: LCM201-100N, 100 Newton capacity subminiature universal load cell, £325. MREC-M6F, accessory rod end, £10 ea.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1804	£84	Reference Book: Mechanical Design Handbook

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