

MINIATURE UNIVERSAL LOAD CELLS

STUD-MOUNT STYLE, 25 TO 35 mm DIAMETER

LCM202 Series
Tension/Compression
Calibrated in Tension
0-100 N to 0-50,000 N

All Models
£375



- ✓ Miniature Pack for Test Stands and Difficult Locations
- ✓ Heavy-Duty Construction
- ✓ Dual Mounting Studs for Easy Installation
- ✓ 5-Point Calibration

OMEGA's LCM202 Series compact load cells have ranges of 100 to 50,000 N and accuracy of 0.25%. The all stainless steel construction and rugged design ensure long life in industrial and commercial applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 2 mV/V nominal

Accuracy: ±0.25% FSO linearity, hysteresis, repeatability combined

5-Point Calibration:

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

Zero Balance: ±2% FSO

Operating Temp Range:

-54 to 121°C

Compensated Temp Range:

16 to 71°C

Thermal Effects:

Zero: 0.009% FSO/°C

Span: 0.009% FSO/°C

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 360 Ω minimum

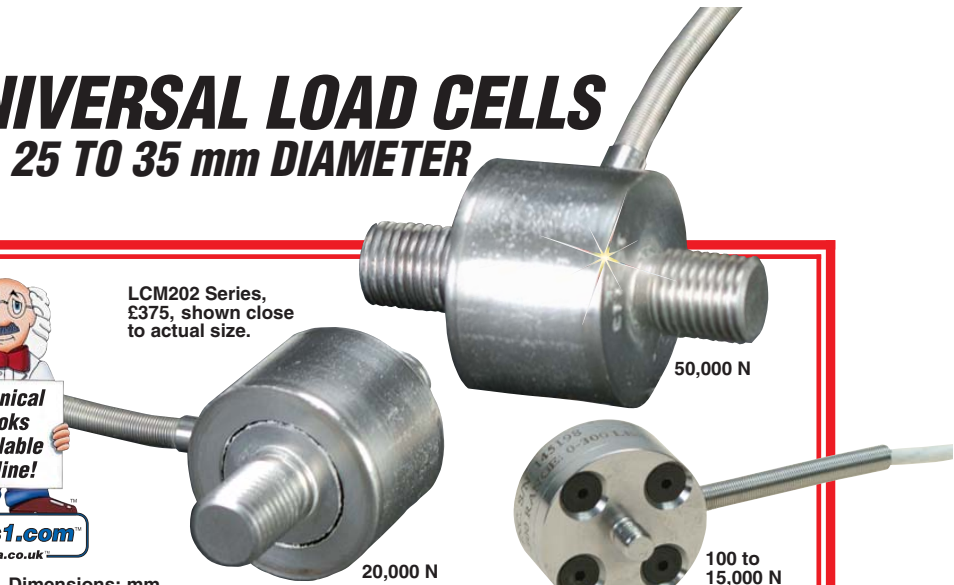
Output Resistance: 350 ±10

Construction: Stainless steel

Electrical: 1.5 m 4-conductor cable

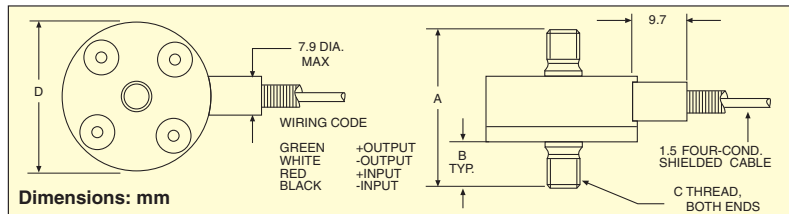


LCM202 Series,
£375, shown close
to actual size.



Dimensions: mm

CAPACITY (N)	A	B	C	D
100	25	6.3	M5 x 0.8 - 6g	25
200	25	6.3	M5 x 0.8 - 6g	25
300	25	6.3	M5 x 0.8 - 6g	25
500	25	6.3	M5 x 0.8 - 6g	25
1000	25	6.3	M5 x 0.8 - 6g	25
1500	25	6.3	M5 x 0.8 - 6g	25
2000	25	6.3	M5 x 0.8 - 6g	25
5000	33	9.7	M6 x 1.00 - 6g	25
10,000	44	13	M10 x 1.5 - 6g	25
15,000	44	13	M10 x 1.5 - 6g	25
20,000	57	16	M12 x 1.75 - 6g	32
50,000	73	22	M20 x 1.5 - 6g	35



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
100 N	22 lb	LCM202-100N	£375	DPiS, DP41-B, DP25B-S
200 N	45 lb	LCM202-200N	375	DPiS, DP41-B, DP25B-S
300 N	67 lb	LCM202-300N	375	DPiS, DP41-B, DP25B-S
500 N	112 lb	LCM202-500N	375	DPiS, DP41-B, DP25B-S
1000 N	225 lb	LCM202-1KN	375	DPiS, DP41-B, DP25B-S
1500 N	337 lb	LCM202-1.5KN	375	DPiS, DP41-B, DP25B-S
2000 N	450 lb	LCM202-2KN	375	DPiS, DP41-B, DP25B-S
5000 N	1124 lb	LCM202-5KN	375	DPiS, DP41-B, DP25B-S
10,000 N	2248 lb	LCM202-10KN	375	DPiS, DP41-B, DP25B-S
20,000 N	4496 lb	LCM202-20KN	375	DPiS, DP41-B, DP25B-S
50,000 N	11,241 lb	LCM202-50KN	375	DPiS, DP41-B, DP25B-S

Comes with 5-point traceable calibration.

* See page 291 for compatible meters.

Ordering Examples: LCM202-100N, 100 N capacity miniature universal load cell, £375.
LCM202-1KN, 1000 N capacity miniature universal load cell, £375.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	£10	Reference Book: Measure for Measure

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• Flow and Level

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• pH and Conductivity

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters