

51 mm MINIATURE STAINLESS STEEL COMPRESSION LOAD CELL WITH MOUNTING HOLES

LCM305/LCM315 Series
Compression
LCM305 (Cable Style)
LCM315 (Connector Style)
0-100 N to 0-50,000 N

All Models
£322



- ✓ FM Intrinsically Safe
- ✓ 0.25% Interchangeability
- ✓ Rugged, Stainless Steel Construction
- ✓ Built-In Load Button for Easy Installation
- ✓ 5-Point Calibration

OMEGA's LCM305 Series consists of heavy-duty, miniature (50.8 mm) compression load cells. A small size and a low profile make these cells ideal for test benches, prototype structures, and industrial weighing applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 2 mV/V ($\pm 0.25\%$)

5-Point Calibration:

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

Linearity: $\pm 0.15\%$ FSO

Hysteresis: $\pm 0.1\%$ FSO

Repeatability: $\pm 0.05\%$ FSO

Agency Approvals: FM

IS/I.II.III/1/CDEFG (standard)

Zero Balance: $\pm 2\%$ FSO

Deflection: 0.025 to 0.075 mm

Operating Temp Range:

-46 to 107°C

Compensated Temp Range:

16 to 71°C

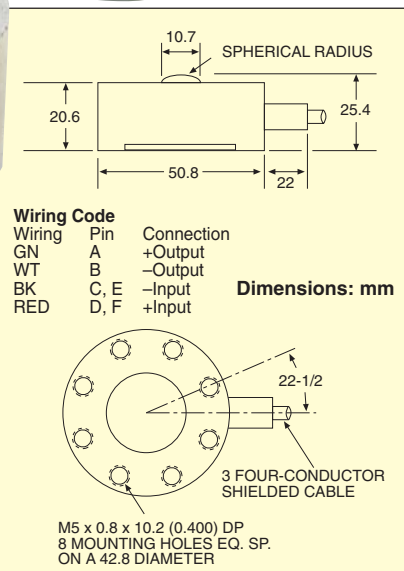
Thermal Effects:

Zero: 0.0045% FSO/°C

Span: 0.009% FSO/°C

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity



Protection Class: IP65

Input Resistance: 360 Ω minimum

Output Resistance: 350 $\pm 10 \Omega$

Construction: Stainless steel

Electrical: 4-conductor, colour-coded, screened cable

LCM305: 3 m

Connector, Model LCM315:

Body Connector: PTIH-10-6P

Mating Connector: PT06F10-6S,

(not included) £17.75

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.		PRICE	COMPATIBLE METERS*
N	lb	CABLE	CONNECTOR		
100	22.5	LCM305-100N	LCM315-100N	£322	iSeries, DP41-B, DP25B-S
200	45	LCM305-200N	LCM315-200N	322	iSeries, DP41-B, DP25B-S
500	112	LCM305-500N	LCM315-500N	322	iSeries, DP41-B, DP25B-S
1000	225	LCM305-1KN	LCM315-1KN	322	iSeries, DP41-B, DP25B-S
2000	450	LCM305-2KN	LCM315-2KN	322	iSeries, DP41-B, DP25B-S
5000	1124	LCM305-5KN	LCM315-5KN	322	iSeries, DP41-B, DP25B-S
10,000	2248	LCM305-10KN	LCM315-10KN	322	Series, DP41-B, DP25B-S
20,000	4496	LCM305-20KN	LCM315-20KN	322	iSeries, DP41-B, DP25B-S
50,000	11,240	LCM305-50KN	LCM315-50KN	322	iSeries, DP41-B, DP25B-S

Comes with 5-point traceable calibration.

* See page 291 for compatible meters.

Ordering Examples: LCM315-10KN, 10,000 N capacity connector-style load cell, £322.

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

ACCESSORY

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

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• Flow and Level

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• Heaters

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