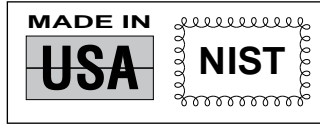


**\$550**  
Model Shown



**SPEC SHEET**  
**LCKD**

# SUBMINIATURE INDUSTRIAL LOAD CELL

## LCKD Series Compression

0-1 kg to 0 to 1,000 lb  
0-10 to 0-4,000 N

1 Newton = 0.2248 lb  
1 daNewton = 10 Newtons  
1 lb = 454 g  
1 t = 1000 kg = 2204 lb

Small in size, but not in performance, the OMEGADYNE™ LCKD Series compression load cells are designed to measure load ranges from 1 kg to 1000 lbs. Rugged all stainless steel construction and high performance strain gages assure superior linearity and stability. Temperature compensation is achieved through a miniature circuit board which is included in the load cell's cable. These units are designed to be mounted on a smooth, flat surface.

### SPECIFICATIONS:

**Excitation:** 5 Vdc, 7 Vdc max  
**Output:** 2 mV/V nominal  
**Accuracy Class:** 0.25% FSO  
Calibrated at 0%, 50%, 100%, 50%, 0%  
**Linearity:** ±0.25% FSO  
**Hysteresis:** ±0.25% FSO  
**Repeatability:** ±0.10% FSO  
**Zero Balance:** 2% FSO  
**Operating Temp Range:**  
-54 to +121°C (-65 to +250°F)

For Sales and Service  
In U.S.A. and Canada

**1-800-872-3963**  
**1-800-USA-DYNE**

International Customers Dial  
**(614) 965-9340**  
24-Hour FAX (614) 965-9438

**OMEGADYNE<sup>SM</sup> FAX**

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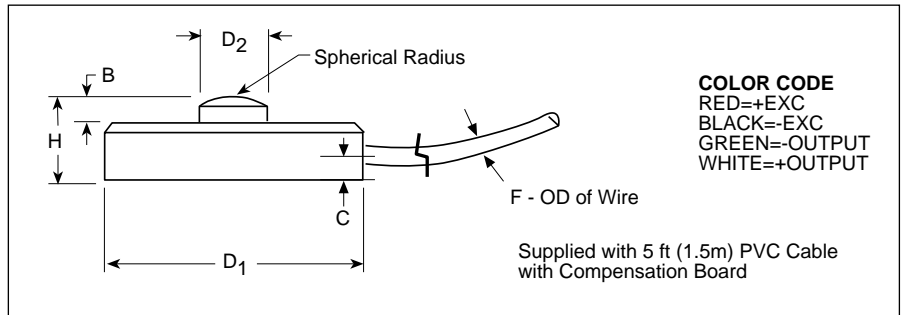
**OMEGADYNE, Inc.**

149 Stelzer Court, Sunbury, OH 43074  
<http://www.omegadyne.com>

e-mail: [info@omegadyne.com](mailto:info@omegadyne.com)

Formerly  
**THI** T-HYDRONICS, INC.

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### Dimensions Shown in Inches (mm)

RANGES	D1	D2	H	B	C	F
1 kg to 50 lb.	.38 (9.6)	.09 (2.2)	.12 (3.0)	.03 (.76)	.04 (1.0)	.05 (1.3)
100 to 250 lb.	.50 (13)	.12 (3.0)	.15 (3.8)	.02 (.51)	.06 (1.5)	.05 (1.3)
500 to 1,000 lb.	.75 (19)	.24 (6.1)	.25 (6.4)	.03 (.76)	.10 (2.5)	.05 (1.3)
250 to 2,000 lb.	.75 (19)	.25 (6.4)	.29 (7.4)	.06 (1.5)	.10 (2.5)	.05 (1.3)

**Compensated Temp Range:**  
+15 to +71°C (+60 to +160°F)

### Thermal Effects:

Span: ±0.01% of Rdg/°F  
Zero: ±0.005% of FSO/°F

**Safe Overload:** 150% of Capacity

► **Most Popular Models Highlighted** ◀

**Ultimate Overload:** 300% of Capacity

**Bridge Resistance:** 350 ohms

**Full Scale Deflection:** 0.001" to 0.003"

**Electrical Connection:** 5 ft (1.5 m)

4-conductor PVC insulated cable

**Weight:** < 0.5 oz. (< 14g)

Prices Shown in U.S. Dollars

### To Order: (Specify Model Number)

Capacity	Model Number	Price	Compatible Meters
0-1 kg	LCKD-1KG	\$585	INFW, INFS, INFCS
0-5 lb	LCKD-5	550	INFW, INFS, INFCS
0-10 lb	LCKD-10	550	INFW, INFS, INFCS
0-25 lb	LCKD-25	550	INFW, INFS, INFCS
0-50 lb	LCKD-50	550	INFW, INFS, INFCS
0-100 lb	LCKD-100	550	INFW, INFS, INFCS
0-250 lb	LCKD-250	550	INFW, INFS, INFCS
0-500 lb	LCKD-500	550	INFW, INFS, INFCS
0-1000 lb	LCKD-1000	550	INFW, INFS, INFCS
0-2000 lb	LCKD-2000	550	INFW, INFS, INFCS

Metric Ranges Available—Consult Engineering.

**Ordering Examples:** 1.) LCKD-1KG is a 1 kg capacity load cell, \$585.  
2.) LCKD-25 is a 25 lb capacity load cell, \$550.

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