



\$1175

Model LCUW-1K

**LCUW Series
TENSION/COMPRESSION
Calibrated in Tension**

**0-100 to 0-10,000 lb
0-450 to 0-45,000 N**

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

- ☑ All Stainless Steel Construction
- ☑ Accuracy 0.25%
- ☑ Heavy Duty Construction for High Capacity Loads
- ☑ FM/CSA Intrinsically Safe Models Standard

The LCUW Series Hydrostatically Compensated load cells are unique load cells designed for operation underwater. Applications include dry docks, marine weighing, submerged platforms and industrial weighing applications where pit flooding is common. The all stainless steel construction and rugged design make the LCUW a high accuracy, high reliability load cell in the tough submerged environment.

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

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

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

OMEGADYNESM FAX

OMEGADYNE's 24-Hour
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**1-800-344-3963SM
1-800-DIG-DYNE**

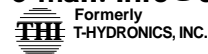
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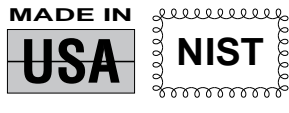
149 Stelzer Court, Sunbury, OH 43074

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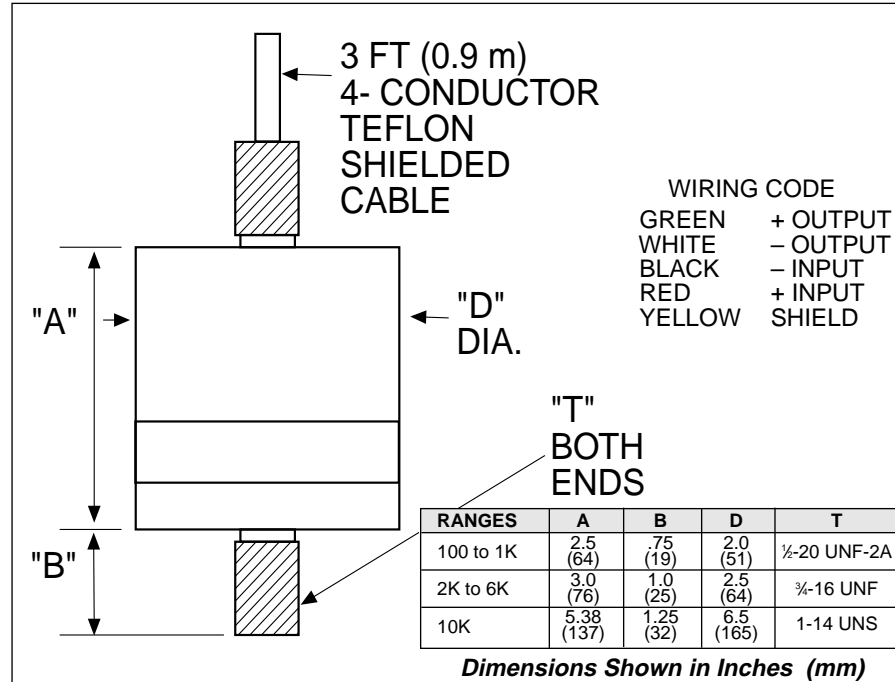
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Interchangeable with
Model TH-UW

**SPEC SHEET
LCUW**

HYDROSTATICALLY COMPENSATED LOAD CELL for Underwater Applications



WIRING CODE
GREEN + OUTPUT
WHITE - OUTPUT
BLACK - INPUT
RED + INPUT
YELLOW SHIELD

SPECIFICATIONS:

Output: 2 mV/V ± 0.25 % FSO
Excitation: 10 V ac/dc (15V Max)
Accuracy: 0.25% FSO Combined Linearity, Hysteresis and Repeatability
Hydrostatic Effect on Zero: 0.25% FSO per 500 psi (10K- 0.1% FSO per 100 psi)
Zero Balance: ± 1.0% FSO
Agency Approvals: FM/CSA Intrinsically Safe IS/II, III/1/CDEFG
Operating Temp. Range: +2 to +93°C (+35 to +200°F)
Compensated Temp. Range: +16 to +71°C (+60 to +160°F)

Thermal Effects: Zero: ±0.005% FSO/°F, Span: ±0.005% Rdg/°F
Safe Overload: 150% of Capacity
Ultimate Overload: 300% of Capacity
Input Resistance: 360 ohms minimum
Output Resistance: 350 ±5 ohms
Construction: 17-4 PH Stainless Steel
Electrical: 3ft (0.9m) 4-conductor PVC Cable.
Options: Waterproof Connector: Brantner MSXJ-4-BCR (or Equal) request quotation at time of order
Optional Side Exit Cable: (Shown) add suffix "-SE" to Model Number and add \$80

► **Most Popular Models Highlighted** ◀ **Prices Shown in U.S. Dollars**

To Order: (Specify Model Number)			
Capacity (lb)	Model Number	Price	Compatible Meters
0-100	LCUW-100	\$1175	INFW, INFS, INFCS
0-250	LCUW-250	1175	INFW, INFS, INFCS
0-500	LCUW-500	1175	INFW, INFS, INFCS
0-1,000	LCUW-1K	1175	INFW, INFS, INFCS
0-2,000	LCUW-2K	1395	INFW, INFS, INFCS
0-6,000	LCUW-6K	1395	INFW, INFS, INFCS
0-10,000	LCUW-10K	2595	INFW, INFS, INFCS

Interchangeable with Model TH-UW Metric Ranges Available-Consult Engineering.
Ordering Examples: 1. LCUW-100 is a 100 lb capacity Hydrostatically Compensated universal load cell with 3ft (0.9m) cable, \$1175.
2. LCUW-1K-SE is a 1,000 lb capacity Hydrostatically Compensated universal load cell with a side exiting 3ft (0.9m) cable, \$1175 +80 = \$1255.

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