

**National Type Evaluation Program**  
**Certificate of Conformance**  
**for Weighing and Measuring Devices**

**For:**

Weighing / Load-Receiving Element  
Load Cell Electronic  
Model: LPxyy-zzz Series  
 $n_{\max}$ : 5 000  
 $e_{\min}$ : 0.02 lb  
Capacity: 100 lb to 500 lb  
Platform: See Below

Accuracy Class: III

**Submitted by:**

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**Standard Features and Options**

**Model Designation:**

xx designates platform length  
yy designates platform width  
zzz designates capacity in lb

**Platform Specifications:**

Capacity	100 lb	Over 100 lb to 500 lb
Range of platform length	18 to 24 inches	18 to 36 inches
Range of platform width	18 to 24 inches	18 to 36 inches
Maximum platform area	576 sq. inches	1296 sq. inches

Length or width can be increased up to 125%, but platform cannot exceed maximum platform area listed above by capacity.

**Note:** This device is not portable and shall be permanently installed in a level position with no manual adjustment.


**Load cells used:** Rice Lake, Model RLBLP: 15 kg to 75 kg, multiple cells (Non-NTEP)

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.



Judith L. Cardin  
Chair, NCWM, Inc.



Don Onwiler  
Chairman, National Type Evaluation Program Committee  
Issue Date: April 9, 2008

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

**Rice Lake Weighing Systems**  
**Weighing / Load-Receiving Element**  
**Model: LP Series**

**Application:** A general purpose weighing / load-receiving element to be interfaced with a certified and compatible indicating element.

**Identification:** The self-destructive (VOID), adhesive foil identification badge with the required information is located under the platter on one of the four sides of the frame.

**Sealing:** The junction box is located just beneath the metal plate in the center of the scale with the platter removed. Access to the junction box is secured with a wire security seal passing through three of the four drilled head screws as shown in the example of the physical seal below.

**Test Conditions:** The emphasis of the evaluation was on design, operation, performance, marking and compliance with influence factor requirements. A model LP2424-100 and a model LP3636-500 weighing / load-receiving element was submitted for evaluation. Each device was interfaced to a 920i-2A indicator (Certificate of Conformance Number 01-088). Several increasing/decreasing load and shift tests were conducted. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of one half capacity was applied to the scales over 100 000 times. Each scale was tested periodically during this time.

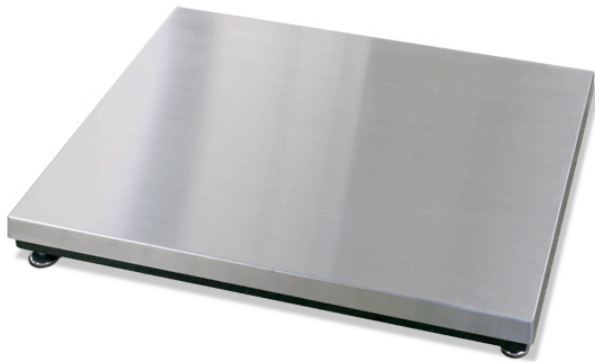
**Evaluated By:** J. Morrison (OH)

**Type Evaluation Criteria Used:** NIST Handbook 44, 2008 Edition; NCWM Publication 14, 2007 Edition

**Conclusion:** The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

**Information Reviewed By:** S. Patoray (NCWM), L. Bernetich (NCWM)

**Example of Model LP3636-500**



**Example of Physical Seal**

