



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Weighing/Load Receiving Element  
Railroad Track Scale, Load Cell Electronic, Modular  
Model: PL-XX-YY  
 $n_{max}$ : 7 000  
 $e_{min}$ : 50 lb  
Capacity: 350 000 lb  
Sectional Capacity: 170 000 lb (85 ton)  
Platform: (see below)  
Accuracy Class: III L

**Submitted By:**

Rice Lake Weighing Systems  
230 W. Coleman Street  
Rice Lake, WI 54868  
Tel: 715-234-3494  
Fax: 715-234-6967  
Contact: Paul A. Lewis, Sr.  
Email: [plewis@ricelake.com](mailto:plewis@ricelake.com)  
Web site: [www.ricelake.com](http://www.ricelake.com)

### Standard Features and Options

Model PL-XX-YY where XX is the length of the first platform and YY is the length of the second platform. When only one platform is used, YY will be omitted from the model number.

The Rice Lake model PL consists of one or two platforms, each with 2 or more sections. When more than one platform is used, a dead space may be between platforms. Multiple platforms can be electrically connected and function as a single scale weighbridge.

**Maximum Section Span:**

- 18 ft

**Minimum Rail Length:**

- 7.5 ft

**Nominal Platform Width:**

- 7 ft

**Minimum Platform Area:**

- 63 sq ft

**Load Cells Used:**

- Revere Transducers, Inc. Model CSP-1-B10-100k30S5, 100k lb Capacity (Certificate of Conformance 88-082) or NTEP certified equivalent load cells.

**Installations must satisfy the relationship of  $v_{min} \leq \sqrt{d/N}$  where N= number of load cells and d = the scale division**

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

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST 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.

Tim Tyson  
Chairman, NCWM, Inc.

Randy Jennings  
Chairman, National Type Evaluation Program Committee  
Issued: December 3, 2010

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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## Rice Lake Weighing Systems

Weighing/Load Receiving Element / PL-XX-YY

**Application:** General purpose railway scale weighing / load receiving element.

**Identification:** The identification tag is a metal badge located on the rear of the device.

**Sealing:** The cover on the sectional controller is sealed by threading a wire security seal through two drilled head screws to prevent undetected access. The indicator is secured by the provision for sealing listed on its Certificate of Conformance.

**Test Conditions:** This Certificate supersedes Certificate of Conformance 02-087A1 and is issued to clarify the application and use of the railway track scale, without additional testing, per adopted NTEP policy. Previous test conditions are listed below for reference.

**Certificate of Conformance Number 02-087A1:** This certificate supersedes Certificate of Conformance number 02-087 and is issued to recognize that a modular weighing element can contain more than 2 sections within the parameters listed on page one. No additional testing was deemed necessary.

**Certificate of Conformance Number 02-087:** This certificate supersedes Certificate of Conformance number 01-068 and is issued to indicate the transfer of ownership from Uhl Scale Service, Inc. to Rice Lake Weighing Systems. The NTEP Certificate of Conformance 01-068, though inactive, remains in effect to cover those devices previously sold and installed under the original name. Previous test information and documentation provided by the company was reviewed. The test condition for the original type evaluation is listed below for reference.

**Certificate of Conformance Number 01-068:** The model PL-15-15 (section span 16 ft 7 in, platform width 7 ft) was interfaced with a Rice Lake model IQ Plus 810-3A digital indicator (Certificate of Conformance 92-013A2). The device evaluated consisted of two, two (2) section modules, with a dead space between the modules. The initial evaluation consisted of six bi-directional tests from 30 000lb to 100 000lb, an increasing load test was conducted using 10 000lb increments from 30 000lb to 100 000lb, a decreasing load test was then conducted from 100 000lb to 30 000lb. A strain load test was performed using a 124 000lb load in conjunction with the GIPSA 100 000lb of test weights, equaling a total strain load test of 224 000lb. Tests were repeated after minimum use criteria required by NTEP had been met. FIGIS test car number FGWX 100,000.

**Evaluated By:** Cary Brown and Al Rupert (GIPSA) 01-068, 02-087

**Type Evaluation Criteria Used:** NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2001. NCWM, Publication 14: Weighing Devices, 2001.

**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) 02-087; J. Truex (NCWM) 02-087A1, 02-087A2

### Examples of Device:

