

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

For:

Force Transducer (Load Cell)
Single Ended Bending Beam
Model: RLSP4 Series (see below)
 n_{max} , Single Cell: 5000
Capacity: See Below

Accuracy Class: III

Submitted by:

Rice Lake Weighing Systems
230 West Coleman Street
Rice Lake, WI 54868
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Contact: Paul A. Lewis, Sr.

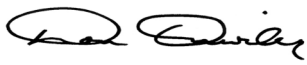
Standard Features and Options

The specific load cells covered by this certificate are identified by the model designation and the load cell capacity listed below.

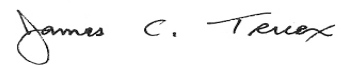
Capacity (kg)	v_{min} (kg)	Minimum Dead Load (kg)
7	0.0010	0
10	0.0014	0
15	0.0020	0
20	0.0028	0
30*	0.0042	0
50*	0.0070	0
75	0.0105	0
100	0.0140	0
* Load cells submitted for evaluation		

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.



Don Onwiler
Chairman, NCWM, Inc.



James C. Truex
Chairman, National Type Evaluation Program Committee

Issue date: December 6, 2005

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 Measurement Systems
Force Transducer (Load Cell)
Model: RLSP4 Series**

Application: The load cells may be used in Class III scales for single cell applications consistent with the model designations, number of scale divisions, and parameters specified in this certificate. Load cells of a given accuracy class may be used in applications with lower accuracy class requirements provided the number of scale divisions, v_{\min} values, and temperature range are suitable for the application. The manufacturer may market the load cell with fewer divisions (n_{\max}) and with larger v_{\min} values than those listed on the certificate. However, the load cells must be marked with the appropriate n_{\max} and v_{\min} for which the load cell may be used.

Identification: A pressure sensitive identification badge containing the manufacturer, model designation, and serial number is located on the load cell. All other required information must be on an accompanying document including the serial number of the load cell.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. Two 50-kg and 30-kg capacity load cells were tested at the California laboratory using dead weights as the reference standard. The data were analyzed for single load cell applications. The cells were tested over a temperature range of -10 °C to 40 °C. Three tests were run on each cell at each temperature. The temperature effect on zero was measured and time dependence (creep) tests were performed. The barometric pressure test was waived due to the insensitivity of the load cell design to changes in barometric pressure.

Evaluated By: Gary Castro (CA)

Type Evaluation Criteria Used: NIST, Handbook 44, 1997 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

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