

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

**For:**

Weighing Element  
Flexure Lever, Load Cell  
Series: FB-XXX\*  
n: 5,000\*\*  
Capacity: See Page 2  
Platform: See Page 2  
Accuracy Class: III

**Submitted by:**

Rice Lake Weighing Systems  
230 West Coleman Street  
Rice Lake, WI 54868  
Tel: (715) 234-9171  
Fax: (715) 234-6967  
Contact: Deb Harings-Lehman

**Standard Features and Options**

\*Specific models and capacities are listed on page 2.

\*\*The  $n_{\max}$  of the scale is 5,000 divisions, or the  $n_{\max}$  of the Class III load cell and indicator, whichever is less.

Load Cell: S beam center mounted Rice Lake Model RL20000, Artech 20210 or compatible, certified equivalent.  
Deck: Steel

May be used with any compatible approved indicator.

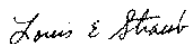
**Options:**

Forklift skids  
Stainless steel constructed base  
Hot dipped galvanized coating

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.

Effective Date: July 30, 1991



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issue date: May 5, 1992

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.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

**Rice Lake Weighing Systems  
Flexure Lever Load Cell  
Model: FB-XXX**

<u>Model Number</u>	<u>Platform Size</u>	<u>Capacity</u>
FB2430-2K	24" x 30"	2,000 lb
FB3030-2K	30" x 30"	2,000 lb
FB3636-3K	36" x 36"	3,000 lb
FB4848-2K	48" x 48"	2,000 lb
FB3846-3K	38" x 46"	3,000 lb
FB3846-10K	38" x 46"	10,000 lb
FB4848-5K	48" x 48"	5,000 lb
FB4848-10K	48" x 48"	10,000 lb
FB4848-20K	48" x 48"	20,000 lb
FB4860-5K	48" x 60"	5,000 lb
FB4860-10K	48" x 60"	10,000 lb
FB4860-20K	48" x 60"	20,000 lb
FB4872-5K	48" x 72"	5,000 lb
FB4872-10K	48" x 72"	10,000 lb
FB4872-20K	48" x 72"	20,000 lb
FB6060-5K	60" x 60"	5,000 lb
FB6060-10K	60" x 60"	10,000 lb
FB6060-20K	60" x 60"	20,000 lb
FB6072-10K	60" x 72"	10,000 lb
FB6072-20K	60" x 72"	20,000 lb
FB6084-10K	60" x 84"	10,000 lb
FB6084-20K	60" x 84"	20,000 lb

**Application:** General purpose weighing.

**Identification:** The identification plate is located on the side of the weighbridge.

**Sealing:** The junction box located under the deck plate may be sealed with a lead and wire seal through two screws that have holes drilled in the heads.

**Test Conditions:** The emphasis of this evaluation was on device design and operation. Models FB4848-2K, 2,000-lb capacity and Model FB6084-20K, 20,000-lb capacity were tested. Weights of one-fourth scale capacity were placed on each corner, shift tests at one-half capacity, and a distributed weight test to capacity were conducted for each scale. Similar tests were conducted after 30 days. Additionally, the FB4848-5K, 5,000-lb capacity scale was tested using the Artech Model number 20210 load cell to increase the  $n_{max}$  of the scale. The results of these tests indicate that these devices comply with applicable tolerances.

**Type Evaluation Criteria Used:** 1991 Edition, National Institute of Standards and Technology, Handbook 44

**Tested By:** G. Castro (CA)