

National Conference on Weights and Measures
15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

Certificate Number: 96-107
Page 1 of 2

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

For:

Bench Scale Weighing/Load Receiving Element
Load Cell Electronic
Model: CW-80B Series*
 n_{\max} : 3000
Capacities: 6 lb (3 kg) to 60 lb (30 kg)
Platform: 10" x 10" to 12" x 12"

Accuracy Class: III

Submitted by:

Rice Lake Weighing Systems
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Rice Lake, WI 54868
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Standard Features and Options

*Specific Models, Capacities, and Sizes Covered by this Certificate

<u>Model</u>	<u>Capacity</u>	<u>n_{\max}</u>	<u>e_{\min}</u>	<u>Platform</u>
CW-80B-1	6 lb	3000	0.002 lb	10" x 10"
CW-80B-2	10 lb	2000	0.005 lb	10" x 10"
CW-80B-3	15 lb	3000	0.005 lb	10" x 10"
CW-80B-4	30 lb	3000	0.01 lb	10" x 10"
CW-80B-5	30 lb	3000	0.01 lb	12" x 12"
CW-80B-6	60 lb	3000	0.02 lb	12" x 12"

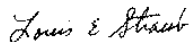
Stainless Steel construction

Load cells used: Rice Lake RL1380 (Certificate of Conformance Number 94-128) or metrologically equivalent with a current Certificate of Conformance

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: August 6, 1996



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee

Issue date: October 16, 1996

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
Bench Scale
Model: CW-80B Series

Application: For use as a general purpose bench scale.

Identification: The required information is on a metal identification badge riveted to the side of the weighing element.

Sealing: There are no metrological features that require the use of a security seal in the scale base. All sealable parameters can be sealed at the indicator.

Test Conditions: The emphasis of the evaluation was on the design, operation, marking and compliance with influence factor requirements. Six (6) lb and sixty (60) lb weighing elements were tested. The scales were interfaced with a Rice Lake IQ Plus 310A (Certificate of Conformance Number 91-132A3) indicator for the evaluation. Several increasing/decreasing load and shift tests were conducted. Each scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the 6 lb scale 100 480 times and to the 60 lb scale 100 800 times. Results of the evaluation indicate the devices comply with the applicable requirements of Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1996 Edition

Tested By: W. West & A. McCoy (OH)