



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Bench Scale, Load Cell Electronic
Model: CW-80B Series*
 n_{max} : 3 000
Capacity: 6 lb to 60 lb (3 kg to 30 kg)
Platform: 10" x 10" to 12" x 12"
Accuracy Class: III

Submitted By: Contact Info. Updated November 2022

Rice Lake Weighing Systems
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Standard Features and Options**Standard Features:**

- Stainless Steel Construction

Load Cells Used:

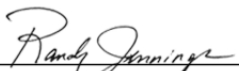
- Rice Lake RL1380 (Certificate of Conformance Number 94-128) or Metrologically Equivalent with a Current Certificate of Conformance

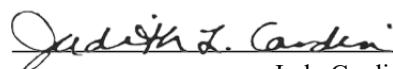
***Specific Models, Capacities, and Sizes Covered by this Certificate:**

Model	Capacity	n_{max}	e_{min}	Platform
CW-80B-1	6 lb	3 000	0.002 lb	10" x 10"
CW-80B-2	10 lb	2 000	0.005 lb	10" x 10"
CW-80B-3	15 lb	3 000	0.005 lb	10" x 10"
CW-80B-4	30 lb	3 000	0.01 lb	10" x 10"
CW-80B-5	30 lb	3 000	0.01 lb	12" x 12"
CW-80B-6	60 lb	3 000	0.02 lb	12" x 12"

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.


Randy Jennings
Chairman, NCWM, Inc.


Judith Cardin
Chairman, National Type Evaluation Program Committee
Issued: October 16, 1996

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Rice Lake Weighing Systems

Weighing/Load Receiving Element / 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.

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

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 1996. NCWM, Publication 14: Weighing Devices, 1996.

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