



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: 140-10-7N
 n_{max} : 6 000
 e_{min} : 0.1 lb
Capacity: 600 lb / 270 kg
Platform: 14.5" x 14.5"
Accuracy Class: III

Submitted By:

Rice Lake Weighing Systems
230 W. Coleman St.
Rice Lake, WI 54868
Tel: 715-234-9171
Fax: 715-234-6967
Contact: Paul A. Lewis, Sr.
Email: plewis@ricelake.com
Web site: www.ricelake.com

Standard Features and Options

Standard Features:

- Semi-automatic (pushbutton) Zero
- Keyboard Tare
- Semi-automatic (pushbutton) Tare
- 6 & 9 Volt Battery Power Supply
- AC / DC Adapter
- Pound / kg Conversion
- Painted Steel Base
- Remote Printer
- Battery Save Feature (Auto Shut-Off)
- Gross / Net Display
- RS-232 Communication Port
- LCD Display
- IZSM
- Leveling Feet
- Leveling Indicating Means (Bubble Level)
- Net Indicator
- Center of Zero Indicator

Load Cell:

- ZEMIC: 300kg, model- L6E; "Resistive strain gauge, Single-ended Cantilever, Non-NTEP"

Temperature Range: 0 °C to 40 °C (32 °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.

Judy Cardin
Chairman, National Type Evaluation Program Committee
Issued: November 25, 2009

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) 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 Weighing Systems

Non-Computing Scale / 140-10-7N

Application: This device is designed for general purpose Class III weighing.

Identification: The required marking information appears on a self destructive / void adhesive label applied to the right side of the indicator.

Sealing: A pressure sensitive seal is used to secure the enclosure. It should be placed across the two halves of the enclosure to ensure the device cannot be accessed. See the picture below.

Test Conditions: The Rice Lake Weighing Systems, Model 140-10-7N, 600 lb x 0.1 lb capacity scale was submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, visibility of the liquid crystal display, and accuracy during low battery conditions. Several increasing, decreasing, and shift tests were conducted. The scale was tested over a voltage of 100 VAC to 130 VAC and 6.0 VDC to 9.0 VDC. A load of one-half capacity was applied to the scale more than 100 000 times. The scale was tested periodically during this time. Additionally, the scale was tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F).

Evaluated By: J. Morrison (OH), M. Kelley (OH), T. Buck (OH), E. Matthews (OH)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2009. NCWM, Publication 14: Weighing Devices, 2009.

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

Information Reviewed By: J. Truex (NCWM)

Example of Device:



Model 140-10-7N



Paper Seal