NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital Electronic
Model: MRW Series
n_{max}: 3000
e_{min}: 0.001 lb
Accuracy Class: III

LW Measurements
620 Carlson Court
Rohnert Park, CA 94928
Tel: 707-542-2185
Fax: 973-944-7177
Contact: Boon Lim
Email: accounting@lwmeasurements.com

Standard Features and Options

- Automatic Zero Tracking (AZT)
- Semi-Automatic Zero (Push Button)
- Keyboard Tare
- AC / DC External Power Supply
- Gross / Net Display
- Liquid Crystal Display
- Units: Kilogram (kg), Gram (g), Pound (lb), Ounce (oz),
- Power Saving (Sleep mode)

- RS-232 Communication Port
- Linearity Calibration Points
- External Printer
- Motion Detection
- Center of Zero Announcer
- Optional Battery Power Source
- Counting Feature (Not legal for trade)
- Auto Power Shut Off

Platter Size: 165mm x 175mm

Model MRW Series Specifications:

Model	Maximum Capacity	e = d	n_{max}	Accuracy Class
MRW 3	3 lb	0.001	3000	III
MRW 6	6 lb	0.002	3000	III
MRW 15	15 lb	0.005	3000	III
MRW 30	30 lb	0.01	3000	III

Load Cells Used: Xiamen Loadcell Technology, Models Lab-6kg and Lab-20kg, **Non-NTEP** certified:
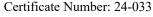
This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Gene Robertson
Chair, NCWM, Inc.

Mahesh Albuquerque
Chair, NTEP Committee
Issued: April 16, 2024

9011 S. 83rd Street, / Lincoln, Nebraska 68516

LW Measurements
Non-Computing Scale / MRW Series

Application: For use in general purpose weighing applications

Identification: The required markings are located on a label affixed to the housing of the scale and is a tamper proof void if removed type of label.

Sealing: The device uses a Category 1 sealing method and is sealed by a plate under the left side of the scale where two security screws with a hole drilled through the screw and a lead and wire seal. The seal secures a calibration switch from being tamped with. All configuration and calibration is accessed through the use of the switch and multi-step process to make changes to configuration and calibration parameters.

Test Conditions: The emphasis of the evaluation was on the device design, operation, performance, markings, and compliance with influence factors. Models MRW 3 and MRW 30 were submitted for evaluation. Devices were subjected to multiple increasing/decreasing tests, eccentricity, and discrimination testing. Devices were also subjected to testing over a temperature range of -10 °C to 40 °C. (14 °F to 104 °F). Permanence testing was completed after 100 000 weighments and a repeat of increasing/decreasing, discrimination, and eccentricity tests were performed. Devices were tested within a voltage range from 85 VAC to 264 VAC. Devices were also tested for proper unit conversion and proper power save option functionality.

Evaluated By: J. Coffey (OH) 24-033 (CN-10867)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2024 Edition. *NCWM Publication 14 Weighing Devices*, 2024 Edition.

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

Information Reviewed By: D. Flocken (NCWM) 24-033

Examples of Device:

Sealing: