NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital Electronic
Model: FBx Series
n_{max}: 5000
e_{min}: 0.1 lb
Capacity: 500 lb
Accuracy Class: III

Submitted By:
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Standard Features and Options

Model	Capacity (lb)	e=d= 0.1 lb	n_{max}	Class
FBx-m1620	500 lb	0.1 lb	5000	III
FBx-m1818	500 lb	0.1 lb	5000	III
FBx-m1824	500 lb	0.1 lb	5000	III
FBx-m2424	500 lb	0.1 lb	5000	III

Metrological Model Data
Explanation of model designations: FBx-myyyy
x: denotes material, s- stainless steel, blank- cast steel
m: denotes the indicator model, c-indicator with number keys, w- indicator without number keys, blank- indicates scales structure
yyyy: platter size in inches (ex. 2424- 24”x24”)

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Semi-Automatic Tare (Push Button)
- Programmable Tare
- Alphanumeric Display
- Gross/Net Display
- Liquid Crystal Display
- RS-232/USB
- AC Power

Load Cells Used: Zemic model L6W, L6E3 Non NTEP load cell

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.

Craig VanBuren
Chairman, NCWM, Inc.

Stephen Benjamin
Committee Chair, NTEP Committee
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Fuzhou Furi Electronics Co. Ltd.
Non-Computing Scale / FBx Series

Application: For use in general purpose weighing applications.

Identification: The required information is on a label affixed to the side of the scale base.

Sealing: The devices uses a Category 1 physical seal. Seal the indicator using a lead and wire seal through two pre-drilled screw heads on the back of the indicator.

Test Conditions: The emphasis of the evaluation was on the device design, operation, and marking requirements. A model FBx-m2424, 500 lb x 0.1 lb scale was submitted for evaluation. Several increasing and decreasing load, shift tests and discrimination tests were performed. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of one-half scale capacity was applied to the scale more than 100,000 times and tested periodically during this time. Tests were conducted using 100V AC and 130V AC power supplies.

Evaluated By: Z. Tripoulas (MD)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2019 Edition. *NCWM Publication 14 Measuring Devices*, 2019 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)

Example(s) of Device:



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