



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: FB2250-X and FB2255-X
 $n_{\max}$: 10 000
Accuracy Class: III / III L

Submitted By:

Fairbanks Scales
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Standard Features and Options

Model ID: In the model number "FB2250-X" and "FB-2255-X", "X" can represent the following:

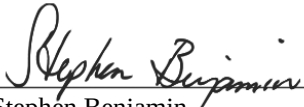
- 1 = ABS plastic housing
- 2 = stainless steel housing
- 3 = ABS plastic housing with optional battery power
- 4 = stainless steel housing with optional battery power
- K = harsh wash down stainless steel housing
- P = panel mount housing
- "PN xxxxx" will be stated to the right of the Model "FB2250-X" and "FB-2255-X". This PN xxxxx is a part number for manufacturing identification of variations of the certified "standard features" and "options" listed below.
- LCD Weight Display
- Remote Display Capability (hard wired or wireless)
- Semi-automatic (push-button) Zero Setting Mechanism (SAZSM)
- Automatic Zero Tracking Mechanism (AZT)
- RS-422, RS-232, RS485, Current Loop
- Auto Tare Clear Feature
- Gross/Net Display Modes
- Remote Printer Capability (hard wired or wireless)
- Semi-automatic (push-button) Tare
- Unit Conversion (lb, oz, kg, g)
- Weight Accumulation Feature
- Keyboard Tare

Options:

- ABS Plastic or Stainless Steel housing
- AC power 115 volts / 230 volts
- DC power (Battery 6.4 v DC to 8.25 vDC)

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.


Stephen Benjamin
Chairman, NCWM, Inc.


Kurt Floren
Chairman, National Type Evaluation Program Committee
Issued: November 13, 2012

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Fairbanks Scales

Indicating Element / FB2250-X and FB2255-X

Application: A general purpose indicator to be interfaced with a compatible approved weighing element.

Identification: The required information is on a self-adhesive foil identification badge located on the top of the indicator. This badge repeats the word “VOID” when removed.

Sealing: Stainless steel model; wire security seals are threaded through the holes in the heads of two screws in two different corners of the rear cover, and on the access plate on the side. This prevents access to the internal parts, and the calibration switch on the main circuit board of the indicator.

Stainless steel K model; wire security seals are threaded through a hole in the front cover and the hole in the head of a screw in the rear on two different corners on the top of the indicator.

ABS plastic model; wire security seals are threaded through holes in both halves of the indicator, and then through holes in the access plug on the side of the indicator.

Panel mount model; wire security seals are threaded through the holes in the heads of two screws on both sides of the rear cover.

Operation: A switch on the main circuit board must be depressed to gain access to indicator calibration. The indicator is capable of monitoring the output from a one scale system.

Test Conditions: This certificate supersedes Certificate of Conformance Number 09-023 and is issued to add a keyboard tare feature and a “panel mount” housing option. One FB2255-2, and one FB2250-P were submitted for evaluation. The emphasis of the evaluation was on the keyboard tare feature and the marking and sealing requirements. No other testing was deemed necessary at this time. Previous test conditions are listed below for reference.

Certificate of Conformance Number 09-023: A quantity of 10 (ten) Fairbanks, Model FB2250-X indicating elements were submitted for evaluation. 5 (five) were ABS plastic, 4 (four) were stainless steel, and 1 (one) was stainless steel FB2250-K model. The emphasis of the evaluation was on the device design, operation, performance, marking, and compliance with influence factor requirements. Several performance tests were conducted with the indicator interfaced with a weighing element, a load cell simulators, a remote display (wireless & hard wired), and a printer (wireless & hard wired). An ABS plastic and stainless steel indicator were tested over a temperature range of -10° C to 40° C (14° F to 104° F). Additionally, tests were conducted with ABS plastic and stainless steel indicators for weight accumulation, unit conversion (lb, oz, kg & g) and power supplies of 115 VAC and 230 VAC and battery supply power test range of 6.4VDC to 8.25VDC.

Evaluated By: T. Lucas (OH), T. Buck (OH) 09-023, J. Morrison, C. Harris (OH) 09-023A1

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2012. NCWM, Publication 14: Weighing Devices, 2012.

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) 09-023, 09-023A1

Examples of Device:



Stainless Steel



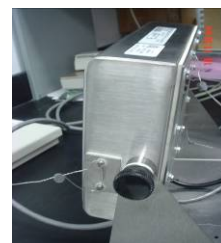
ABS Plastic



Sealing SS “K”



Sealing ABS Plastic



Sealing SS