



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: FB1200
 $n_{\max}$: 10 000
Accuracy Class: III / III L

Submitted By:

Fairbanks Scales, Inc.
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Standard Features and Options

- Semi-Automatic (push button) Zero Setting Mechanism (SAZSM)
- Automatic Zero Tracking (AZT)
- Tech-Lynk (infrared communication port for technician use)
- Semi-Automatic (push button) Tare
- Keyboard (preset) Tare
- Gross/Net Display
- Alphanumeric Display
- Category 2 physical seal
- Audit trail (calibration and configuration counters)
- Units Selection (lb, oz, ton, kg, g, metric ton)
- Gross/Net Accumulation
- Multiple Linearity Calibration point
- Password Protection
- Configurable Set Points
- User Programmable for Non-metrological Functions
- Multiple Programmable Print Formats
- Multiple Range (3 ranges maximum)
- Multiple Interval (3 intervals maximum)
- Ethernet / USB ports
- AC Power (100 VAC to 240 VAC)
- DC power (5 VDC to 24 VDC)
- LCD Display
- Stainless Steel Enclosure
- Plastic Enclosure

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of *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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Chair, NTEP Committee
Issued: December 7, 2020

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Fairbanks Scales, Inc.
Indicating Element / FB1200

Application: General-purpose indicator for use with NTEP certified and compatible weighing/load receiving elements.

Identification: An adhesive identification badge containing all required information is located on the exterior of the housing. This badge repeats the word “VOID” when removed.

Sealing: Category 2 sealing with audit trail for calibration and configuration:

The FB1200 is equipped with non-resettable counters that increment every time the unit is calibrated or configured. To view the counters:

1. Power off the indicator.
2. Power the indicator back on.
3. The calibration and configuration counters will be displayed during the power up sequence for approximately two seconds.
 - a. The calibration counter will be identified by Calcnt then Cxxxx (example: C.0005).
 - b. The setup configuration counter will be identified by Config then F.xxxx (example: F.0005).

Wire security seal: The plastic housing uses wire seals thru the tabs on the sides of the housing and thru the drilled head screw covering the calibration switch. The stainless-steel housing uses wire seals thru drilled head screws and tabs on the side of the housing and thru the drilled head screw covering access to the calibration switch.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. A Fairbanks Scales model FB1200 was submitted for evaluation and interfaced with a load cell simulator. Several increasing/decreasing load tests, and warm up tests were performed. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Tests were also conducted using 85 VAC to 264 VAC, and 4.8 VDC to 26.4 VDC. The indicating element was also interfaced with a weighing/load receiving element to verify compliance with zero, zone of uncertainty, motion detection, unit conversion and printer format requirements. The “Tech-Lynk” infrared communication port was verified for correct functionality.

Evaluated By: J. Gibson (OH)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14: Measuring Devices*, 2020 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)



Fairbanks Scales, Inc.
Indicating Element / FB1200

Example(s) of Device:



FB1200 Stainless Steel Instrument



FB1200 Plastic Instrument