



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: SJX Series
 $n_{\max}$: See Below
 $e_{\min}$: See Below
Capacity: See Below
Platform: See Below
Accuracy Class: II/ III

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Semi-Automatic Tare (Push Button)
- Programmable Tare
- Integral Display
- Liquid Crystal Display
- Gross/Net Display
- AC/DC Power Supply
- Battery Power
- Power Saving Feature (Auto Shut-Off)
- Bracketing of the display is used to identify “d” when it is not equal to “e” ($d < e$)
- “The Counting Feature is Not Legal for Trade” is labeled on the front of the scale
- Linearity Calibration points (3)
- Weight Accumulation (Manual)
- Ethernet (Optional)
- RS232 (Optional)
- USB (Optional)
- Remote Customer Display (Optional)
- Weight Units: carat, grain, gram, kilogram, pennyweight, pound, ounce, troy ounce

Model	Capacity	e	d	$n_{\max}$	Class	Platter Dimensions
SJX323N/E	64 g	0.01 g	0.001g or 0.01g	6400	II	93 mm dia.
SJX622N/E	620 g	0.1 g	0.1 g	6200	III	120 mm dia.
SJX1502N/E	1500 g	0.1 g	0.01g or 0.1g	15000	II	170 x 140 mm
SJX6201N/E	6200 g	1 g	1 g	6200	III	170 x 140 mm

Load Cell Used: Mettler Toledo models DWC220G3 (220 g), DWC620G2 (620 g), DWC2200G2 (2200 g) and DWC6200G1 (6200 g) non-NTEP

Temperature Range: Class II: 10 °C to 30 °C (50 °F to 86 °F); Class III: 10 °C to 40 °C (50 °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.

Kevin Schnepf
Chair, NCWM, Inc.

Marc Paquette
Chair, NTEP Committee
Issued: March 8, 2026

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Ohaus Corporation
Non-Computing Scale / SJX Series

Application: General purpose Class II and III weighing applications include but are not limited to analytical, precision, weighing of grain in commercial and USDA/GIPSA applications, and the weighing of jewelry and precious metals.

Identification: The required information is placed on a pressure sensitive or tamper proof identification badge located on the top of the device.

Sealing: A category 1 seal is used. To seal the device, a wire security seal may be threaded through tabs in a sliding cover and the base housing on the bottom of the scale. Alternatively, a destructible sealing label may be affixed to the sliding cover and the base housing. When the sliding cover is sealed in the locked position, access to the calibration switch inside the housing is prevented. Remote calibration and configuration are also blocked when the device is sealed.

Test Conditions: The emphasis of the evaluation was on device design, operation, performance, marking requirements, and compliance with influence factor requirements. Models SJX323N/E (64g x 0.001g), SJX1502N/E (1500g x 0.01g), SJX622N/E (620g x 0.1g), and SJX6201N/E (6200g x 1g) were submitted for evaluation. Several increasing/decreasing, discrimination, repeatability, eccentricity, creep, warm-up, power interruption, portability, and level indication tests were performed. AC Voltage tests were conducted at 102 VAC and 132 VAC. DC Voltage tests were conducted at 4.0 VDC and 5.5 VDC. Influence factor tests were conducted over a temperature range of 10 °C to 30 °C (50 °F to 86 °F) for models SJX323N/E and SJX1502N/E and a range of 10 °C to 40 °C (50 °F to 104 °F) for models SJX622N/E and SJX6201N/E. Additionally, a load of one-half capacity was placed on each device more than 100,000 times. At the conclusion of permanence testing, the increase/decrease, eccentricity, and discrimination tests were repeated. The device was tested for accuracy and functionality.

Certificate of Conformance Number 16-015A1: This certificate supersedes Certificate of Conformance Number 16-015 and is issued to add the ability to set the division size in the menu on models SJX323N/E and SJX1502N/E. No other changes were made. No testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-015: This device was submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The technical data was reviewed by the Maryland NTEP laboratory for compliance with Publication 14 and NIST Handbook 44 requirements. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements.

Evaluated By: E. Langevin (MC); E. A. Payne, Jr (MD) 16-015; M. Kelley (OH) 16-015A1; B. Maser (NCWM) 16-015A2 (CN 11609)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2025 Edition. *NCWM Publication 14 Measuring Devices*, 2025 Edition.

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) 16-015; D. Flocken (NCWM) 16-015A1; J. Gibson (NCWM) 16-015A2



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Non-Computing Scale / SJX Series

Examples of Device:



Model SJX323N/E



Model SJX622N/E



Model SJX1502N/E



Model SJX6201N/E