



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: EXxNy
 n_{\max} : 41 000 to 320 000 (see Page 2)
 e_{\min} : (see Page 2)
Capacity: (see Page 2)
Platform: 90 mm, 130 mm, and 180 x 210 mm
Accuracy Class: I / II

Submitted By:

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Standard Features and Options**Model Designation:**

- EX = Type
- x = capacity and readability code 3 to 5 digits
- N = NTEP Approved
- x = option code 0 to 5 characters (including “/”)

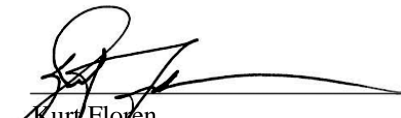
Standard Features:

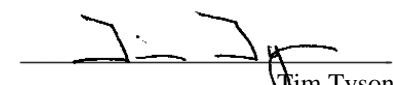
- Semi-Automatic (push-button) Zero Setting Mechanism
 - Automatic Zero Setting Mechanism (AZSM)
 - Initial Zero Setting Mechanism (IZSM)
 - Keyboard Tare
 - Programmable Tare
 - Semi-Automatic (push-button) Tare
 - AC/DC Adapter
 - Power Saving Feature (Sleep Mode)
 - Alpha Numeric Display
 - Liquid Crystal Display
 - Weight Units: carat, grain, gram, kilogram, milligram, pennyweight, pound, ounce, troy ounce.
 - “The Counting Feature is Not Legal for Trade” or “Counting Feature for Prescription Filling Only” is labeled on the front of the scale.
 - Bracketing of the Display is Used to Identify “d” when it is not equal to “e” (d<e)
- Gross/Tare/Net Display
 - Touch Screen
 - RS-232 and Ethernet (**Optional**)
 - Linearity Calibration Points
 - Internal Automatic Calibration

Load Cell Used: Mettler Toledo (Non-NTEP)

Temperature Range: 10 °C to 30 °C (50 °F to 86 °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.


Kurt Floren
Chairman, NCWM, Inc.


Jim Tyson
Chairman, National Type Evaluation Program Committee
Issued: February 22, 2012

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**Ohaus Corporation**

Non-Computing Scale / EXxNy

Application: For use in general purpose weighing, retail jewelry/precious metal, prescription weighing, prescription counting, commercial grain and GIPSA grain weighing applications. Class I and II prescription scales will be marked with “The Counting Feature for Prescription Filling Only”.

Models and Capacities:

Model	Capacity	e	d	n _{max}	Accuracy Class
EX224Ny	220 g	0.001 g	0.0001 g	220 000	I
EX324Ny	320 g	0.001 g	0.0001 g	320 000	I
EX1103Ny	1100 g	0.01 g	0.001 g	110 000	I
EX10202Ny	10 200 g	0.1 g	0.01 g	102 000	I
EX10201Ny	10 200 g	0.1 g	0.1 g	102 000	I
EX423Ny	420 g	0.01 g	0.001 g	42 000	II
EX4202Ny	4200 g	0.1 g	0.01 g	42 000	II

Identification: The required information appears on a self-adhesive badge on the side of the device.

Sealing: The balance may be sealed using a wire seal or paper seal attached to the bottom housing. The wire seal is threaded through a tab on the sliding cover and a tab on the bottom housing. The paper seal is placed over the seam between the sliding cover and the bottom housing. The seal secures a sliding cover which locks the security switch in the “ON” position and prevents the scale from being opened. When the security switch is set to the “ON” position, calibration and changes to metrological settings are blocked.



Un-Locked



Locked with Wire Seal



Locked with Paper Seal

Test Conditions: This device was submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements. Tests to verify compliance with zero, zone of uncertainty and motion detection requirements were performed. A checklist was completed and several increasing/decreasing and shift tests were performed. The scale was tested over a temperature range of 10 °C to 30 °C (50 °F to 86 °F). A load of approximately one-half capacity was applied to the scale over 100 000 times. The scale was tested periodically over this time. Voltage variation tests were also performed. The technical data was reviewed by the Maryland NTEP laboratory for compliance with Publication 14 and NIST Handbook 44 requirements.

Evaluated By: N.Fowler (MC), E. A. Payne, Jr (MD)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2012. NCWM, Publication 14: Weighing Devices, 2011.

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)



Ohaus Corporation
Non-Computing Scale / EXxNy

Examples of Device:



EX224Ny, EX324Ny, EX423Ny, EX1103Ny



EX4202Ny, EX10201Ny, EX10202Ny

