



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale

Digital Electronic

Model: Explorer EXxyNz Series

 $n_{\max}$: See the table after the application section $e_{\min}$: See the table after the application section

Capacity: See the table after the application section

Accuracy Class: Class I and Class II

Submitted By:

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- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Semi-Automatic Tare (Push Button)
- Ethernet Port
- Wi-Fi (Optional)
- Remote Customer Display (Optional)
- Fingerprint Login (Optional)
- External Printer (Optional)
- Category 1 Seal
- Shading or Bracketing of the Display is used to identify d when it is not equal to e ($d < e$)
- Lithium-ion Battery Pack models EXP..001N (Optional)
- Single Range
- Automatic Internal Calibration
- Semi-Automatic Internal Calibration (Push Button)
- AC Power or AC/DC Adapter
- Power Saving Feature, Sleep Mode, Auto Standby, Auto Dim
- Liquid Crystal Display
- Touch Screen Display
- RS 232 Communication
- USB Communication Port
- Counting Feature is labeled for prescription filling only
- Weight Units: kg, g, mg, lb, oz, ct, ozt, gr, dw
- Separate Gross, Net, and Tare display

Load Cells Used: non- NTEP (see table after the application section)**Temperature Range:** (See table after the application section)

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.

Marc Paquette
Chair, NCWM, Inc.

Gene Robertson
Chair, NTEP Committee
Issued: August 21, 2025

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Non-Computing Scale / EXxyNz Series

Application: General purpose Class I and II weighing applications include but are not limited to analytical, precision, grain weighing, and the weighing of jewelry and precious metals.

Model	Maximum Capacity	e	d	n _{max}	Temperature Range	Class	Pan Size (mm)	Loadcell
EXP124N/AD	120 g	0.001 g	0.0001 g or 0.001 g	120000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXP224N/AD	220 g	0.001 g	0.0001 g or 0.001 g	220000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXP324N/AD	320 g	0.001 g	0.0001 g or 0.001 g	320000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXP223N/AD	220 g	0.01 g	0.001 g or 0.01 g	22000	+10°C to +30°C	II	130 x 130	NMDWI0600G3
EXP423N/AD	420 g	0.01 g	0.001 g or 0.01 g	42000	+10°C to +30°C	II	130 x 130	NMDWI0600G3
EXP623N/AD	620 g	0.01 g	0.001 g or 0.01 g	62000	+10°C to +30°C	II	130 x 130	NMDWI0600G3
EXP1203N/AD	1200 g	0.01 g	0.001 g or 0.01 g	120000	+10°C to +30°C	I	130 x 130	NMDWI1200G3
EXP2202N	2200 g	0.1 g	0.01 g or 0.1 g	22000	+10°C to +30°C	II	179 x 208	NMDWI4000G2
EXP4202N	4200 g	0.1 g	0.01 g or 0.1 g	42000	+10°C to +30°C	II	179 x 208	NMDWI4200G2
EXP6202N	6200 g	0.1 g	0.01 g or 0.1 g	62000	+10°C to +30°C	II	179 x 208	NMDWI6000G2
EXP8202N	8200 g	0.1 g	0.01 g or 0.1 g	82000	+10°C to +30°C	II	179 x 208	NMDWI0012K5
EXP10202N	10200 g	0.1 g	0.01 g or 0.1 g	102000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXP12202N	12200 g	0.1 g	0.01 g or 0.1 g	122000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXP6201N	6200 g	0.1 g	0.1 g	62000	+10°C to +30°C	II	179 x 208	NMDWI6000G2
EXP8201N	8200 g	0.1 g	0.1 g	82000	+10°C to +30°C	II	179 x 208	NMDWI0012K5
EXP10201N	10200 g	0.1 g	0.1 g	102000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXP12201N	12200 g	1 g	0.1 g or 1 g	12200	+10°C to +30°C	II	179 x 208	NMDWI0012K5
EXP12001N	12000 g	1 g	0.1 g or 1 g	12000	+10°C to +30°C	II	377 x 311	NMDWI0032K4
EXP24001N	24000 g	1 g	0.1 g or 1 g	24000	+10°C to +30°C	II	377 x 311	NMDWI0032K4
EXP35001N	35000 g	1 g	0.1 g or 1 g	35000	+10°C to +30°C	II	377 x 311	NMDWI0032K4
EXP65001N	65000 g	1 g	0.1 g or 1 g	65000	+10°C to +30°C	II	377 x 311	NMDWI0064K4
EXR124N	120 g	0.001 g	0.0001 g or 0.001 g	120000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXR224N	220 g	0.001 g	0.0001 g or 0.001 g	220000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXR324N	320 g	0.001 g	0.0001 g or 0.001 g	320000	+15°C to +25°C	I	90 x 90	NMDWI0400G4
EXR223N	220 g	0.01 g	0.001 g or 0.01 g	22000	+10°C to +30°C	II	130 x 130	NMDWI0600G3
EXR423N	420 g	0.01 g	0.001 g or 0.01 g	42000	+10°C to +30°C	II	130 x	NMDWI0600G3



Ohaus Corporation Non-Computing Scale / EXxyNz Series

							130	
EXR623N	620 g	0.01 g	0.001 g or 0.01 g	62000	+10°C to +30°C	II	130 x 130	NMDWI0600G3
EXR1203N	1200 g	0.01 g	0.001 g or 0.01 g	120000	+10°C to +30°C	I	130 x 130	NMDWI1200G3
EXR2202N	2200 g	0.1 g	0.01 g or 0.1 g	22000	+10°C to +30°C	II	179 x 208	NMDWI4000G2
EXR4202N	4200 g	0.1 g	0.01 g or 0.1 g	42000	+10°C to +30°C	II	179 x 208	NMDWI4000G2
EXR6202N	6200 g	0.1 g	0.01 g or 0.1 g	62000	+10°C to +30°C	II	179 x 208	NMDWI6000G2
EXR8202N	8200 g	0.1 g	0.01 g or 0.1 g	82000	+10°C to +30°C	II	179 x 208	NMDWI0012K5
EXR10202N	10200 g	0.1 g	0.01 g or 0.1 g	102000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXR12202N	12200 g	0.1 g	0.01 g or 0.1 g	122000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXP6201N	6200 g	0.1 g	0.1 g	62000	+10°C to +30°C	II	179 x 208	NMDWI6000G2
EXP8201N	8200 g	0.1 g	0.1 g	82000	+10°C to +30°C	II	179 x 208	NMDWI0012K5
EXP10201N	10200 g	0.1 g	0.1 g	102000	+10°C to +30°C	I	179 x 208	NMDWI0012K5
EXR12201N	12200 g	1 g	0.1 g or 1 g	12200	+10°C to +30°C	II	179 x 208	NMDWI0012K5

Model Designation: EXxyNz

- EX- Explorer Series
- x- Sub-type (R= general Explorer model, P= Explorer Plus model)
- y- Capacity and Readability code (3 to 5 numeric Characters)
- N- NTEP
- z- Feature Code

Identification: The required information appears on a tamper-proof adhesive label located on the right side of the device.

Sealing: A category 1 seal is used. To seal the device, for EXP..001N models, first set the security switch on top of the device to the locked position. Then install the metal cover over the security switch with two screws. A wire security seal may be threaded through the tab on the metal cover and the drilled head screw, or a destructible sealing label may be affixed to the flathead screw and top housing. For other EXP and EXR models, a wire security seal may be threaded through the tab in a sliding cover and the base housing at the rear of the balance. Alternately, 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 balance is sealed.

Test Conditions: The emphasis of the evaluation was on device design, operation, performance, marking requirements, and compliance with influence factor requirements. Models EXP124N/AD (120g x 0.001g), EXP324N/AD (320g x 0.001g), EXP223N/AD (220g x 0.01g), EXP1203N/AD (1200g x 0.01g), EXP12202N (12200g x 0.1g), EXP12201N (12200g x 1g),

**Ohaus Corporation**

Non-Computing Scale / EXxyNz Series

EXP65001N (65000g x 1g), EXR124N (120g x 0.001g), EXR324N (320g x 0.001g), EXR223N (220g x 0.01g), EXR1203N (1200g x 0.01g), EXR12202N (12200g x 0.1g), EXR12201N (12200g x 1g) were submitted for evaluation. Several increasing/decreasing, discrimination, repeatability, eccentricity, warm-up, power interruption, and level indication tests were performed. AC Voltage tests were conducted at 85 VAC and 264 VAC. DC Voltage tests were conducted on model EXP65001N at 13.6 VDC and 17.6 VDC. Influence factor tests were conducted over a temperature range of 15° C to 25 °C (59 °F to 77 °F) for models EXP124N/AD, EXP324N/AD, EXR124N, EXR324N and 10 °C to 30 °C (50 °F to 86 °F) for all other models. 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.

Evaluated By: B. Maser (NCWM) 25- 076 (CN 11416)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2025 Edition. *NCWM Publication 14: Weighing 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. Gibson (NCWM) 25-076

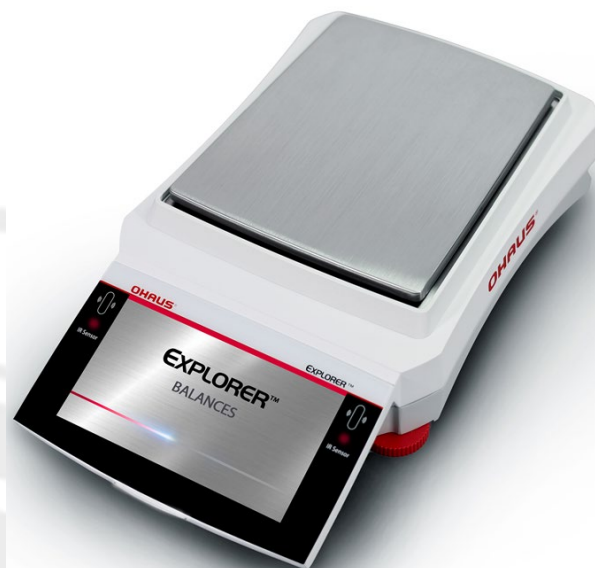
Example(s) of Device:**EXP with Draft Shield****EXP without Draft Shield**



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EXR with Draft Shield



EXR without Draft Shield



EXP xx001N