



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: GX-AN Series (see table on page 2)
 n_{max} : 62 000
 e_{min} : 0.01 g (see table on page 2)
Capacity: see table on page 2
Platform: see table on page 2
Accuracy Class: II

Submitted By:

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Standard Features and Options

Model Designation:

- G = Type X = Internal Calibration A = A&D Apollo Series N = Legal for Trade Certified
- Initial Zero Setting Mechanism (IZSM)
- Automatic Zero Tracking (AZT)
- AC/DC Adapter
- Liquid Crystal Display
- Tare function
- Draft Shields (model dependent)
- Bracketing of the Display is Used to Identify "d" when it is not equal to "e" ($d < e$)
- Selectable and sealable $e = d$ or $e = 10d$
- Semi-automatic Zero Setting Mechanism (SAZSM)
- Communication Ports: RS-232, USB
- Level Indicator
- Semi-Automatic (Push button) Tare
- Power Saving Feature (Sleep Mode & Auto Shut Off)
- External printer
- Under Scale weighing (optional)
- External Unit Conversion (g, oz, lb, ozt, dwt)

"The counting feature is not legal for trade," is labeled on the front of the device for non-prescription models.

Load Cells Used: A&D 1PAGX1603A-K Non NTEP Approved.

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 *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
Date: May 24, 2021

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A&D Engineering, Inc.

Non-Computing Scale / GX-AN Series

Model	Capacity (g)	n _{max}	e (g)	d (g)	pan diameter (inches)
GX-203AN *	220	22,000	0.01	0.001	5 x 5
GX-303AN	320	32,000	0.01	0.001	5 x 5
GX-403AN	420	42,000	0.01	0.001	5 x 5
GX-603AN *	620	62,000	0.01	0.001	5 x 5
GX-2002AN	2200	22,000	0.1	0.01	6.5 x 6.5
GX-3002AN	3200	32,000	0.1	0.01	6.5 x 6.5
GX-4002AN	4200	42,000	0.1	0.01	6.5 x 6.5
GX-6002AN *	6200	62,000	0.1	0.01	6.5 x 6.5
GX-10001AN *	10200	10,200	1.0	0.1	6.5 x 6.5

*** Models Tested**

Application: General purpose balance with top loading or under device weighing capability. The GF-AN Series of devices are suitable for use in any class II direct or indirect sale application.

Identification: The device markings are on a pressure sensitive, tamper evident label located on the side of the scale, the appropriate capacity x division markings are adjacent the weight display.

Sealing: The device can be sealed by threading a wire security seal through two screws on the RS-232 serial interface plate and scale housing. This prevents access to the calibration switch inside the device.

Test Conditions: The emphasis of the evaluation was on the device design, operation, environmental factors, performance and marking requirements. Four models of the GX series the GX-203AN (220 g x 0.01 g), GX-603AN (620 g x 0.01 g), GX-6002AN (6200 g x 0.1 g) and the GX-10001AN (10200 g x 1 g) were submitted for evaluation. Multiple increasing/decreasing load and eccentricity tests were performed on the platter and multiple increase/decrease tests were performed on the under-scale weighing attachment. Each device was tested over a voltage range of 85 VAC to 264 VAC. Influence factor tests were conducted over a temperature range of 10 °C to 30 °C (50 °F to 86 °F). Discrimination and level sensitivity tests were performed. All applicable portions of publication 14 checklist were performed. A load of one-half capacity was applied over 100 000 times, increase/decrease testing was performed during this time. At the conclusion of permanence testing an increase/decrease, eccentricity and discrimination tests were repeated. Testing performed in both selectable and sealable resolution of e=d and e=10d to make the GX-AN series comply with direct and indirect sales applications.

Evaluated By: J. Gibson (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14 Measuring Devices*, 2021 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

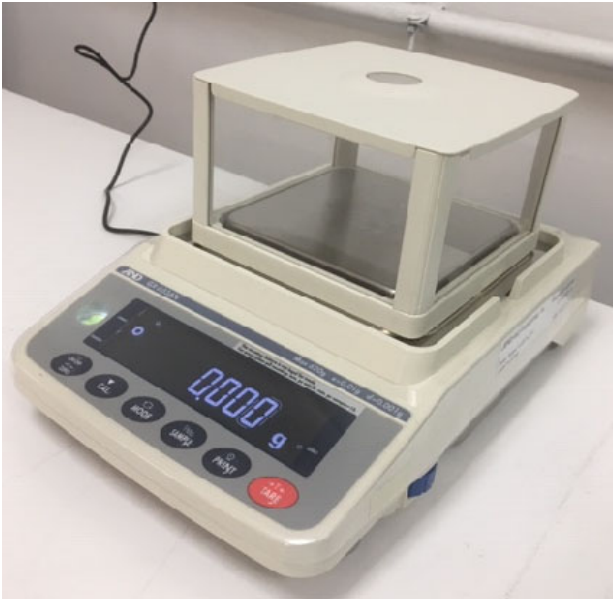
Information Reviewed By: D. Flocken (NCWM)



A&D Engineering, Inc.
Non-Computing Scale / GX-AN Series

Examples of Device:

Models: GX-203AN to GX-603AN



Models: GX-2002AN to GX-10001AN

