



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale, prescription, counting
Digital Electronic
Model: GF-P Series
 $n_{\max}$ and $e_{\min}$: See Table on Page 2
Platform: See Table on Page 2
Accuracy Class: II

Submitted By:

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Standard Features and Options

The GF Series has the following externally selectable units of measure using the "mode" push button:
gram (g), ounce (oz), pound (lb), troy ounce (ozt).

"The counting feature for prescription filling only", is labeled on the front of the scale

Counting and percent weighing

Semi-automatic zero setting mechanism (push-button)

Automatic zero setting mechanism (AZSM)

Initial zero setting mechanism (IZSM)

RS-232 serial interface

AC/DC adapter

Level indicator

Motion annunciator

Vacuum fluorescent display

Weight comparator mode

Load cell used: A&D Mode 2000468 (non-NTEP approved)

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Marc Paquette
Chair, NCWM, Inc.

Gene Robertson
Chair, NTEP Committee
Issued: September 23, 2024

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**A&D Engineering, Inc.**

Non-Computing Scale, Prescription, Counting / GF-P Series

Application: General purpose top loading balance, prescription weighing and counting. Counting feature for prescription filling.

Identification: The manufacturer's identification, model number, and serial number are on a pressure-sensitive, self-destructive label located on the right side of the scale.

Model	Capacity (g)	n_{max}	e (g)	d (g)	Platform (mm)
GF-200P	210	21 000	0.01	0.001	128 x128
GF-300P	310	31 000	0.01	0.001	128 x 128
GF-1200P	1 210	12 100	0.1	0.01	165 x 165
GF-2000P	2 100	21 000	0.1	0.01	165 x 165
GF-3000P	3 100	31 000	0.1	0.01	165 x 165
GF-6000P	6 100	6 100	1	0.1	165 x 165

Sealing: The device can be sealed by threading a wire security seal through the RS-232 serial interface plate and scale housing. A switch located on the RS-232 serial interface printed circuit board allows access to calibration and configuration mode.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 04-077 and was issued without additional testing to reactivate Certificate of Conformance 04-077 without lapse. Previous test conditions are listed below for reference.

Certificate of Conformance Number 04-077: This Certificate supersedes NTEP Certificate of Conformance 04-077P and is issued to update the provisional certificate to full status based on newly adopted changes to Publication 14. No additional testing was required. The original test conditions are listed below for reference.

Certificate of Conformance Number 04-077P: A GF-300 and GF-3000 were submitted for evaluation. The emphasis of the evaluation was on device design and performance for prescription counting. With the exception that the software has been updated to do prescription weighing there are no differences in these devices than the ones stated in Certificate of Conformance Number 03-005. Each scale was tested to verify performance and accuracy for the prescription criteria. The A&D Model GF-300P & 3000P, Class II prescription scales were evaluated using the ad-hoc procedure for the counting feature that was developed by the NTEP Labs for the Counting Feature for Prescription Filling.

This certificate is designated as "Provisional" because of the ad-hoc procedure used for the evaluation. When the procedure is finalized and incorporated into Publication 14, the provisional certificate will be upgraded to a full NTEP certificate.

Evaluated By: Todd Lucas (OH) 04-077P; J. Gibson (NCWM) 04-077A1 (CN 11199)

Type Evaluation Criteria Used: NIST Handbook 44, 2004 Edition; NCWM Publication 14, 2004 Edition

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

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM) 04-077P, 04-077; D. Flocken 04-077A1