NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital, Electronic
Model: AS xx.X2 PLUS Series and AS xx.R2 PLUS Series
n_{max}: 60 000 to 310 000 (See Table Page 2)
e_{min}: 0.001 g (See Table Page 2)
Capacity: 60 g to 310 g (See Table Page 2)
Accuracy Class: I

Submitted By: Contact Info. Updated January 2024
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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Multiple Tare Memories
- Programmable Tare
- Semi-Automatic Tare (Push Button)
- Single Range
- Multi-Range
- Automatic Internal Calibration
- Semi-Automatic Internal Calibration (Push Button)
- AC Power
- Power Saving Feature (Sleep Mode)
- Liquid Crystal Display
- Touch Screen Display (AS X2 PLUS only)
- RS 232 Communication Port
- USB Communication Ports
- Ethernet Communication Port
- WiFi

Temperature Range: 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.

Hal Prince
Chairman, NCWM, Inc.

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Committee Chair, NTEP Committee
Issued: August 19, 2020

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Non-Computing Scale / AS xx.X2 PLUS Series and AS xx.R2 PLUS Series

Model	Capacity	e (g)	d (g)	n_{max}	Pan Size (mm) Max. Diameter	Class
AS 62.X2 PLUS AS 62.R2 PLUS	62 g	0.001 g	0.00001 g	62 000	90 mm	I
AS 120.X2 PLUS AS 120.R2 PLUS	120 g	0.001 g	0.00001 g	120 000	90 mm	I
AS 60/220.X2 PLUS AS 60/220.R2 PLUS	60/220 g	0.001 g	0.00001 g / 0.0001 g	60 000 / 220 000	90 mm	I
AS 82/220.X2 PLUS AS 82/220.R2 PLUS	82/220 g	0.001 g	0.00001 g / 0.0001 g	82 000 / 220 000	90 mm	I
AS 110.X2 PLUS AS 110.R2 PLUS	110 g	0.001 g	0.0001 g	110 000	100 mm	I
AS 160.X2 PLUS AS 160.R2 PLUS	160 g	0.001 g	0.0001 g	160 000	100 mm	I
AS 220.X2 PLUS AS 220.R2 PLUS	220 g	0.001 g	0.0001 g	220 000	100 mm	I
AS 310.X2 PLUS AS 310.R2 PLUS	310 g	0.001 g	0.0001 g	310 000	100 mm	I

Application: For use in general purpose weighing applications.

Identification: The required information appears on a self-destructive label located on the left side of the unit base. Other required information appears on the front of the unit, "The Counting Feature Not Legal for Trade" or "Counting Feature for Prescription Filling Only", with the Minimum Piece Weight (MPW) and the Minimum Sample Size (MSS).

Sealing: The device is physically sealed by applying a pressure sensitive, tamper proof seal over the enclosure screw located on the bottom of the unit.

Test Conditions: Three units, models AS 310.X2 PLUS, AS 60/220.R2 PLUS and AS 82/220.R2 PLUS, were submitted for evaluation. The emphasis of the evaluation was on device design, performance, operation, marking requirements, compliance with influence factors, and verifying that the indicated piece count value complies with the tolerances in Table T.N.3.10. Several increasing/decreasing load and shift tests were conducted. The scales were tested over a temperature range of 10° C to 40° C (50° F to 104° F). A load of approximately one-half capacity was applied to the scales at least 100,000 times with the scale being tested periodically during this time. Tests were conducted using 100V AC and 130V AC power supplies.

Radwag USA, LLC

Non-Computing Scale / AS xx.X2 PLUS Series and AS xx.R2 PLUS Series

Evaluated By: E. Morabito (NY)

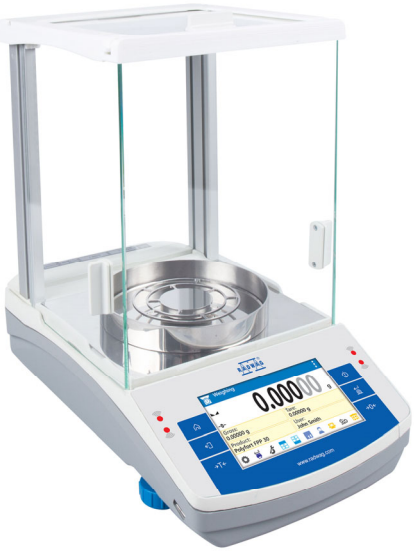
Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14 Measuring Devices*, 2020 Edition.

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)



AS R2 PLUS



AS X2 PLUS



Method of Sealing