



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic, Portion Scale
Model: 334PCN10 and 334PCN20
 n_{\max} : 2500
 e_{\min} : 0.005lb / 0.002kg
Capacity: 10 lb / 5 kg to 20 lb / 10 kg
Platform: 7 in x 7 in
Accuracy Class: III

Submitted By:

Clark Core Services, LLC DBA AvaWeigh, AvaTek
2205 Old Philadelphia Pike
Lancaster, PA 17602
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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero Setting Mechanism (SAZSM)
- External AC/DC Switching Power Supply (100 VAC to 240 VAC)
- 6pcs AA Dry batteries
- Power Saving Feature (Auto Shut Off)
- Operator Backlit LCD Display
- RS-232 Port
- Semi-Automatic (Push Button) Tare
- External Unit Conversion (kg, g, lb, oz)
- Category 1 Sealing

Load Cell: Zemic Model: L6D (CC 11-012) or any NTEP Certified and compatible load cell.

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 9, 2024

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Clark Core Services, LLC DBA AvaWeigh, AvaTek

Non-Computing Scale / 334PCN10 and 334PCN20

Application: A non-computing scale for general-purpose weighing applications.

Identification: A tamper evident adhesive label with required markings is attached to the right side of the scale housing. The capacity x division statement is located below the weight display.

Sealing: A category 1 sealing method is used. A pre-drilled metal plate is placed over the calibration switch and a wire security seal is utilized by running the wire through one pre-drilled screw, and two holes in the lower plastic housing of the scale. Sealing this screw prevents the scale housing from being separated, and access to the calibration switch

Test Conditions: This Certificate supersedes Certificate of Conformance Number 20-034A2 and was issued to indicate a company name change from Clark Associates Inc. DBA AvaWeigh to Clark Core Services, LLC DBA AvaWeigh, AvaTek. No additional testing was required. Previous test conditions are listed below for reference.

Certificate of Conformance Number 22-029A1: This Certificate supersedes Certificate of Conformance Number 22-029 and was issued to indicate a company name change from Clark Associates Inc. to Clark Associates Inc. DBA AvaWeigh. No additional testing was required. Previous test conditions are listed below for reference.

Certificate of Conformance Number 22-029: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation is on device design, operation, performance, marking requirements, and compliance with influence factor requirements. Two models of the 334PCN Series were submitted for evaluation, a 5kg x 0.002kg to 10kg x 0.005kg. Multiple increasing/decreasing load, shift, and discrimination tests were performed. Both models were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The scales were tested at 85 VAC and 264 VAC, and 6 VDC and 9.9 VDC. Functions such as external unit conversion (kg, g, lb, oz), and semi-automatic (push button) tare, were evaluated. A load of approximately 1/2 capacity was applied to each of the scales over 100 000 times. Tests were conducted periodically during this time. After the permanence tests were completed, the shift, discrimination and zone of uncertainty tests were repeated

Evaluated By: C. Boggs (OH) 22-029; J. Gibson (NCWM) 22-029A2 (CN 11125)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14: Weighing 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) 22-029, 22-029A1, 22-029A2

Example(s) of Device:



334PCN Series