



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Electronic, Bench Scale
Model: 334PCS and 334PCSL Series
 n_{\max} : 4000
 e_{\min} : 0.0005kg (0.001 lb) (0.02 oz)
Capacity: (see table page 2)
Platform: (see table page 2)
Accuracy Class: III

***Submitted By: Contact Info. Updated October 2021**

Clark Associates Inc. DBA AvaWeigh
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Standard Features and Options

- Multi-Interval
- Keyboard Tare
- Semi-Automatic (Push Button) Tare
- AC to DC Adapter
- Battery Power Supply
- Battery saving feature (auto shut-off)
- Programmable Tare with PLUs
- Unit Conversion (external)
- Serial and USB outputs
- Automatic Zero Tracking (AZT)
- Semi-Automatic Zero Setting Mechanism (SAZSM)
- Initial Zero Setting Mechanism (IZSM)
- Price per lb, kg or oz
- Alphanumeric display
- Label Printer optional, time & Date optional

Load Cells Used: ZEMIC Model L6D (CC 11-012), or other NTEP certified and compatible load cells

Temperature Range: -10 °C to 40 °C (14 °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.

Mahesh Albuquerque
Chairman, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: October 17, 2022

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Clark Associates Inc. DBA AvaWeigh
Computing Scale / 334PCS and 334PCSL Series

Application: General purpose retail computing scale.

Model:	334PCSL15 334PCSL15T	334PCSL30 334PCSL30T	334PCSL40 334PCSL40T	334PCSL60 334PCSL60T	334PCSL100 334PCSL100T
Capacity:	6 kg, 15 lb, 240 oz	15 kg, 30 lb, 480 oz	20 kg, 40 lb, 640 oz	30 kg, 60 lb, 960 oz	50kg,100lb,1600oz
Division:	0-3kg: 0.001 kg 3-6kg: 0.002 kg 0-6lb: 0.002 lb 6-15lb: 0.005 lb 0-96 oz: 0.05 oz 96-240 oz: 0.1 oz	0-6 kg: 0.002 kg 6-15 kg: 0.005 kg 0-15 lb: 0.005 lb 15-30 lb: 0.01 lb 0-240 oz: 0.1 oz 240-480 oz: 0.2 oz	0-10 kg: 0.005 kg 10-20-kg: 0.01 kg 0-20 lb: 0.01 lb 20-40 lb: 0.02 lb 0-320 oz: 0.2 oz 320-640 oz: 0.5 oz 0-20kg: 0.005kg 0-40lb: 0.01lb 0-640oz: 0.2oz	0-15 kg: 0.005 kg 15-30 kg: 0.01 kg 0-30 lb: 0.01 lb 30-60 lb: 0.02 lb 0-480 oz: 0.2 oz 480-960 oz: 0.5 oz	0-25 kg: 0.01 kg 25-50 kg: 0.02 kg 0-50 lb: 0.02 lb 50-100 lb: 0.05 lb 0-800 oz: 0.5 oz 800-1600oz: 1 oz
Model:	334PCS06 334PCS06T	334PCS15 334PCS15T	334PCS30 334PCS30T	334PCS40 334PCS40T	334PCS60 334PCS60T
Capacity:	3 kg,6 lb, 96 oz	6 kg,15 lb,240 oz	15 kg,30 lb, 480 oz	20kg,40lb,640oz	30kg,60lb,960oz
Division:	0-1.5 kg: 0.0005 kg 1.5-3 kg: 0.001 kg 0-3 lb: 0.001 lb 3-6 lb: 0.002 lb 0-48 oz: 0.02 oz 48-96 oz: 0.05 oz	0-3 kg: 0.001 kg 3-6 kg: 0.002 kg 0-6 lb: 0.002 lb 6-15 lb: 0.005 lb 0-96 oz: 0.05 oz 96-240 oz: 0.1 oz	0-6 kg: 0.002 kg 6-15 kg: 0.005 kg 0-15 lb: 0.005 lb 15-30 lb: 0.01 lb 0-240 oz: 0.1 oz 240-480-oz: 0.2 oz	0-10 kg: 0.005 kg 10-20 kg: 0.01 kg 0-20 lb: 0.01 lb 20-40 lb: 0.02 lb 0-320oz: 0.2 oz 320-640oz: 0.5 oz 0-20kg: 0.005kg 0-40lb: 0.01lb 0-640oz: 0.2oz	0-15 kg: 0.005 kg 15-30 kg: 0.01 kg 0-30 lb: 0.01 lb 30-60 lb: 0.02 lb 0-480 oz: 0.2 oz 480-960oz: 0.5oz
Platter size:	334PCSL series	340 x 240 mm	Platter size:	334PCS series	290 x 218 mm

Identification: The required information appears on a self-destructive label located under the plater. The capacity by division statement is on the display near the weight indication.

Sealing: The scale can be sealed with a lead and wire seal threaded through two drill head screws on the calibration cover plate on the underside of the 334PCS series scales and under the platter of the 334PCLS series scales.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 17-153 and was issued to indicate a company name change from AVAWEIGH to Clark Associates Inc. DBA AvaWeigh. No additional testing was required. Previous test conditions are listed below for reference.

Certificate of Conformance Number 17-153: This certificate is issued based upon the following tests and upon information provided by the manufacturer. For the purpose of this evaluation, four scales, multi-interval, computing scales were submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, marking requirements and compliance with influence factor requirements. Increasing/decreasing, discrimination repeatability, warm up, power interrupt, and level indicator tests were performed. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately



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Computing Scale / 334PCS and 334PCSL Series

½ capacity was applied over 100 000 times and tested periodically during this time, then the eccentricity and discrimination tests were repeated. Voltage tests were conducted using 85 VAC and 264VAC and 5.55 VDC and 6.6 VDC.

Evaluated By: M. Kelley (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2017 Edition. *NCWM Publication 14 Weighing Devices*, 2017 Edition.

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

Information Reviewed By: J. Truex (NCWM) 17-153; D. Flocken (NCWM) 17-153A1

Examples of Device:

Compact versions

334PCS Series



334PCSL Series





Clark Associates Inc. DBA AvaWeigh
Computing Scale / 334PCS and 334PCSL Series

Tower versions

334PCS Series



334PCSL Series

