NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Load Cell Electronic
Model: 334BSXX
n_{max}: see table below
e_{min}: see table below
Capacity: see table below
Accuracy Class: III

Submitted By:
Clark Associates Inc. DBA AvaWeigh
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Contact: Brian McBrearty
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Standard Features and Options

- Platter: Stainless Steel
- Base Material: Formed Metal
- Platform: 11.8 inch x 13.8 inch (30cm x 35cm)
- Leveling feet
- Level Bubble

Model	Capacity	e = d	n_{max}	Load Cell	Model	Capacity
334BS30	30 lb / 15 kg	0.01 lb / 0.005 kg	3000	HOPE	NA1	20 kg
334BS70	70 lb / 30 kg	0.02 lb / 0.01kg	3500	HOPE	NA10	40 kg
334BS150	150 lb / 60 kg	0.05 lb / 0.02 kg	3000	HOPE	NA10	80 kg

Load Cell Used: Hope Technologic Model NA Series (NTEP CC 15-079)

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
Chair, NCWM, Inc.

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

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

Clark Associates Inc. DBA as AvaWeigh
Weighing/Load Receiving Element / 334BSXXB Series

Application: For use in general purpose weighing applications when interfaced with an NTEP certified and compatible indicating element.

Identification: All required information is on an adhesive badge located under the platform that repeats the word "VOID" if removed.

Sealing: The weighing/load-receiving element has no metrological functions that require the use of a security seal. Calibration and configuration of the scale are done through the indicator.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 20-035A1 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 20-035A1: This certificate supersedes Certificate of Conformance Number 20-035 and was issued without additional testing to reactivate Certificate of Conformance 20-035 without lapse and update contact information. Previous test conditions are listed below for reference.

Certificate of Conformance Number 20-035: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on device design, marking, performance and compliance with influence factor requirements. A model 334BS30, 15 kg x 0.005 kg, a model 334BS70, 70 lb x 0.02 lb and a model 334BS150, 150 lb x 0.05 lb weighing /load receiving elements were interfaced with Measuretek series indicators (Certificate of Conformance Number 15-068) and submitted for evaluation. Several increasing/decreasing load, shift test, and discrimination tests were performed. The devices were tested over a temperature range of -10 ˚C to 40 ˚C (32 ˚F to 104 ˚F). A load of approximately one-half capacity was applied over 100 000 times to each scale. The scales were tested periodically during this time.

Evaluated By: M. Kelley (OH) 20-035; M. Manheim (NCWM) 20-035A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14 Weighing 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) 20-035, 20-035A1, 20-035A2

Example(s) of Device: