NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Indicating Element
Digital Electronic
Model: 334INDX1
n_{max}: 5000
Accuracy Class: III

Submitted By:
Clark Associates Inc. DBA AvaWeigh
2205 Old Philadelphia Pike
Lancaster, PA 17062
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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (Push Button) Zero
- Keyboard Tare
- Semi-Automatic (Push Button) Tare
- DC Power / Battery (6 VDC Nominal)
- AC Power Supply (120VAC Nominal)
- Power Saving Feature (Auto Shut Off)
- Alphanumeric Display
- Gross/Net Display
- Liquid Crystal Display (LCD)
- Communication Ports: RS-232 and USB
- Linearity Calibration Points (3)
  Units: lb, oz, kg, g (lb/oz units for postal use only)

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 AvaWeigh
Indicating Element / 334INDX1

Application: A general purpose indicating element to be interfaced with an NTEP certified and compatible weighing element.

Identification: All required markings are on an adhesive label on the back of the indicator that repeats the word "VOID" if removed. The front of the indicator will be marked at the time of set up with capacity by division.

Sealing: This is a category 1 sealing device. A wire seal is threaded through two drilled head screws to prevent removal of a plate covering the calibration switch on the back of the indicator. (Please see picture below.) Please be sure calibration switch is set to "OFF" before sealing the plate.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 20-034A1 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 20-034A1: This certificate supersedes Certificate of Conformance Number 20-034 and was issued without additional testing to reactivate Certificate of Conformance 20-034 without lapse and update contact information. Previous test conditions are listed below for reference.

Certificate of Conformance Number 20-034: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of this evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. A Clark Associates Model 334INDX1 indicating element was interfaced with a load receiving element provided by Measuretek to verify zero, zone of uncertainty, motion detection, power interruption, printing format, and unit switching capabilities. The device was also interfaced with our load cell simulator to complete several increasing/decreasing tests, a warmup test, AC voltage test at 102 VAC and 132 VAC, DC voltage test at 4.1 VDC and 6.6 VDC. The indicating element was evaluated over a temperature range of -10 °C to 40 °C (14 °F to 104 °F).

Evaluated By: M. Kelley (OH), T. Buck (OH) 20-034; M. Manheim (NCWM) 20-034A1

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) 20-034, 20-034A1, 20-034A2

Example(s) of Device: