



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: AE 403aM
 n_{max} : 7500
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Semi-Automatic Tare (Push Button)
- Programmable Tare
- AC Power
- DC Power / Internal Battery
- Auto Shut Off
- Gross / Net Display
- Liquid Crystal Display
- RS-232 Communication Port

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.

Ivan Hankins
Chairman, NCWM, Inc.

Hal Prince
Chair, NTEP Committee
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Adam Equipment, Inc.
Indicating Element / AE 403aM

Application: General purpose indicating element when connected to an NTEP certified and compatible weighing/load receiving element.

Identification: The self-destructive identification badge may be found on the back of the indicating element.

Sealing: There is a category 1 audit trail with event loggers. The event loggers are displayed during the power up cycle (“oPt” and “CAL”).

Test Conditions: A model AE 403aM Indicating element was submitted for this evaluation. The emphasis of the evaluation was on device design, operation, and compliance with environmental factors. The Indicator was interfaced with an Adam Equipment model WB 60aM, 60 lb x 0.01 lb capacity weighing element (NTEP CC 22-028). Several increasing and decreasing load tests performed. Additionally, it was tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The device was tested with 100 VAC and 130 VAC power supplies and 5.5 VDC and 6.6 VDC power supplies.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14: Measuring Devices*, 2022 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)

Example(s) of Device:

