

***National Type Evaluation Program***  
***Certificate of Conformance***  
***for Weighing and Measuring Devices***

**For:**

Indicating Element  
Digital Electronic  
Models: AD4322A and  
AD4322A MK II  
 $n_{\max}$ : 10 000  
Accuracy Class: III/IIIL

**Submitted by:**

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**Standard Features and Options**

- Gross/net/tare display modes
- Separate tare display
- Multiple tare memory
- Programmable keyboard tare
- External pound/kilogram conversion
- Semi-automatic zero and tare with motion detection
- Automatic zero setting mechanism

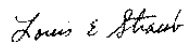
**Options:**

- Thermal printer enclosed in indicator housing
- RS-232/current loop output
- External I/O interface
- Time/date capabilities

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) 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.

Effective Date: August 5, 1992



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee  
Issue date: October 27, 1992

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

**A and D Engineering**  
**Digital Electronic Indicating Element**  
**Models: AD4322A and AD4322A MK II**

**Application:**

AD4322A MK II - Weigh-in/weigh-out vehicle and general purpose indicating element for use with compatible certified weighing elements.

AD4322A - General purpose indicating element for use with compatible certified weighing elements.

**Identification:** The manufacturer's identification, model and serial numbers are located on the side of the device. Capacity and divisions are located on the calibration/programming switch cover.

**Sealing:** A security seal may be threaded through two drill head screws located on the calibration/programming switch cover located on the face of the device.

**Test Conditions:** This certificate supersedes Certificate of Conformance No. 89-037A1 and is issued to include the model AD4322A MK II.

The Model AD4322A MK II was submitted for evaluation. The emphasis of the evaluation was on the design and operation. Influence factor testing was waived since no metrological changes have been made to the device. The original test conditions are repeated for reference.

Certificate of Conformance No. 89-037A1 was issued to include the integrated thermal printer and additional options. The integrated printer was tested for motion detection, operation and compatibility with the indicator.

The emphasis of this evaluation was on the device design and operation. The indicator was tested for accuracy over a temperature range of -10 to 40 °C and a voltage range of 100 to 130 VAC. The results of these tests were within applicable acceptance tolerances and specifications.

The results of the previous evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

**Type Evaluation Criteria Used:** 1992 Edition NIST Handbook 44.

**Tested By:** Steve Cook (CA), Ronald Flores (CA)