



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: AD-4328
 $n_{\max}$: 10,000

Accuracy Class: III

***Submitted By: Contact Info. Updated December 2019**

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Standard Features and Options

- Automatic zero setting mechanism (AZSM)
- Gross/net indicators
- Pound/kg conversion
- RS-232 communication
- Semi-automatic (push-button) tare
- Semi-automatic (push-button) zero

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Craig VanBuren
Chairman, NCWM, Inc.

Stephen Benjamin
Committee Chair, NTEP Committee
Issued: August 3, 1999

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A&D Engineering, Inc.
Indicating Element / AD-4328

Application: For use as a general purpose indicating element when interfaced with an approved and compatible weighing element.

Identification: The identification plate is located on the side panel of the indicator.

Sealing: The calibration mode can be accessed by removing two screws on the front plate of the device and by pushing the "CAL" button. Undetected access is prevented by threading a wire through the nearest screw and the sealing tab along the front edge of the device.

Access to the load cells is through the rear panel by removing the seal from the drill head screw at pin #7 of the load cell connector.

Test Conditions: The emphasis of the evaluation was on device design, operation, and compliance with influence factor requirements. The Model AD-4328 was interfaced with a load cell simulator and tested over a temperature range of -10°C to 40°C . In addition, the device was tested with a supply voltage of 110 VAC and 130 VAC.

The results of the evaluation indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: R. Delcourt (CD)

Information Reviewed By: J. Williams (NIST) and G. Newrock (NIST)