

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

For:

Indicating Element
Digital Electronic
Model: AD-4329
 n_{\max} : 10 000

Accuracy Class: III/IIIL

Submitted by:

A & D Engineering
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Standard Features and Options

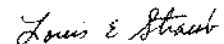
Automatic zero setting mechanism (AZSM)
Initial zero setting mechanism (IZSM)
Semi-automatic (push-button) zero
Semi-automatic (push-button) tare
Center of zero annunciator
Vacuum fluorescent display
RS-232 bi-directional serial communication
Gross/net indication
Pound or kilogram indication
Motion detection
Multi-interval capability
Serial printer interface

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.



Ross J. Andersen
Chairman, NCWM, Inc.



Louis E. Straub
Chairman, National Type Evaluation Program Committee
Issue date: June 17, 2003

**A & D Engineering
Indicating Element
Model: AD-4329**

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

Identification: A tamper evident adhesive identification label is located on the right side of the indicator.

Sealing: A wire security seal prevents access to the calibration switch (labeled "CAL") located behind the indicator's front cover plate. This may be accomplished by threading a wire security seal through the head of a cover plate screw and a flange on the cover plate.

Test Conditions: The emphasis of the evaluation was on device design, performance, marking requirements, and compliance with influence factor requirements. The Model AD-4329 indicator was submitted for evaluation and interfaced with a load cell simulator. Several increasing/decreasing load tests were performed over a temperature range of -10 °C to 40 °C (14 °F to 104 °F) and with line voltages of 100 VAC and 130 VAC. The indicator was also interfaced with a weighing element and printer for zero, zone of uncertainty, discrimination, motion detection, and printing tests.

The results of these evaluations and a review of technical information supplied by the manufacturer indicate the device conforms to the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2003 Edition

Tested By: K. Jones (CA)

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM)