

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

**For:**

Indicating Element  
Digital Electronic  
Models: AD-4326A/B, AD-4327A/B\* Series  
 $n_{\max}$ : 10,000

Accuracy Class: III/III L

**Submitted by:**

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**Standard Features and Options**

<u>*MODEL NUMBER</u>	<u>TEN-KEY PAD</u>	<u>ENCLOSURE</u>
AD-4326A	NO	PLASTIC
AD-4326B	YES	PLASTIC
AD-4327A	NO	STAINLESS STEEL
AD-4327B	YES	STAINLESS STEEL

Gross/net display modes  
Programmable keyboard tare  
Pound/kilogram conversion (Mode Key)  
Semi-automatic zero and tare with motion detection  
Automatic zero setting mechanism  
LCD alphanumeric display  
Internal 9 VDC battery operation  
Comparator mode with over "+", under "-", accept "OK"  
Auto-power off function

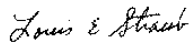
**OPTIONS:**

Desktop, wall mount or column mount  
AC/DC adapter  
RS-232 data communications capability  
Printer interface capability

Temperature Range: -10 to 40 °C (14 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 19, 1994



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issue date: September 1, 1994

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: AD-4326A/B, AD-4327A/B Series**

**Application:** General purpose indicating element for use with compatible certified weighing elements.

**Identification:** The manufacturer's identification, model number, and serial number are located on the front of the device. Capacity and division size are entered on the front marking label by the installer.

**Sealing:** A security seal may be threaded through a tab and the drilled head screw located on the calibration switch cover located on the back of the device. The "Count Function Program" access is through the calibration security seal and shall be disabled for commercial applications. The following steps will verify that the count function has been disabled.

1. With the indicator in the "lb" units, press the "MODE" switch twice.
2. The count function is disabled if the display toggles between "kg" "lb". If an asterisk appears in the bottom left corner and "pcs" in the middle right of the display, the "Count Function Program" is enabled.

**Test Conditions:** This certificate supersedes Certificate of Conformance Number 94-045 and is issued to include the RS-232 interface. The current and previous test conditions are listed for reference.

**Certificate of Conformance Number 94-045A1:**

The Model AD-4326B indicator interfaced to an AD-8121 printer was submitted for evaluation. The emphasis of the evaluation was on device design, operation, interaction with the indicator, and format.

**Certificate of Conformance Number 94-045:**

The Model AD-4326B was submitted for evaluation. The emphasis of the evaluation was on device design and performance. The indicator was tested over a voltage range of 100 to 130 VAC and 5.7 to 9.0 VDC. The indicator was interfaced with a certified weighing element and tested for accuracy over a temperature range of -10 to 40 °C.

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

**Type Evaluation Criteria Used:** NIST Handbook 44, 1994 Edition

**Tested By:** John Cipollone (CA)