

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

For:

Indicating Element
Digital Electronic
Model: AD-5000
 n_{\max} : 10,000

Accuracy Class: III/III L

Submitted by:

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Standard Features and Options

Standard Features:

Gross/net display modes
Programmable keyboard tare
Pound/kilogram conversion (Units Key)
Semi-automatic zero and tare with motion detection
Automatic zero setting mechanism
RS-232 data communications capability

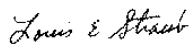
Options:

Desktop, wall mount or column mount

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: March 27, 1995



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee

Issue date: April 25, 1995

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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
Indicating Element, Digital Electronic
Model: AD-5000

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: Security is provided through an audit trail system and/or a physical seal for the internal calibration switch.

The front panel audit trail is accessed by holding the "CLEAR" key and then pressing the "ENTER" key. The indicator display will read "CFG XXX". Enter the number 59 and press the "ENTER" key. The indicator will display "A XXX". This is the calibration audit trail number. Press the "ENTER" key and the next display will be "C XXX". This is the configuration audit trail number. Pressing the "CLEAR" key twice will return the display to the weighing mode.

The position of the internal calibration switch may be verified by holding the "CLEAR" key and then pressing the "ENTER" key. The indicator display will read "CFG XXX". Enter the number 60 and press "ENTER". If the indicator displays "LoC ON", the internal calibration switch is turned off and calibration from the front panel is not possible. Should the indicator display "PASS 2", the internal calibration switch is on and the front panel calibration is possible with the correct password. Pressing the "CLEAR" key twice will return the display to the weighing mode.

In applications or jurisdictions in which wire seals are appropriate, the internal calibration switch may be secured in the off position by passing a wire security seal through three drilled head screws located on the rear of the device.

Test Conditions: The Model AD-5000 indicator was submitted for evaluation and interfaced with a load cell simulator and printer. 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 a temperature range of -10 to 40°C. The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: NIST Handbook 44, 1995 Edition

Tested By: John Cipollone (CA)