



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: 4300 and 4100XL
 n_{\max} : 10 000
Accuracy Class: III

***Submitted By: Contact Info. Updated December 2009**

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Standard Features and Options

Standard Features:

- Light Emitting Diode (LED) Display
- Semi-automatic (push-button) Zero Setting Mechanism
- Automatic Zero Setting Mechanism
- Initial Zero Setting Mechanism
- Remote Printer Capability
- AC Power Supply
- RS-232 Communication Port
- Pound/kilogram/gram/ounce Units

OPTIONS:

- Remote Switch that Can be Used for One of the Following Functions:
 1. Unit Conversion
 2. Zero
 3. Print

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

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.

Randy Jennings
Chairman, NCWM, Inc.

Judith L. Cardin
Chairman, National Type Evaluation Program Committee
Issued: September 1, 2000

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Doran Scales, Inc.

Indicating Element / 4300 and 4100XL

Application: General purpose indicating element to be used with an approved and compatible weighing element.

Identification: The required information is on a destructible label attached by adhesive or a metal badge riveted or glued to the right side or rear of the indicator.

Sealing: The device can be sealed with a wire security seal threaded through two screws on the back panel of the indicator to prevent undetected access to the operator/calibration switch.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 97-038 and is issued without additional testing to include the Model 4100XL, which has fewer features and options than the Model 4300, and to include a self-adhesive badge for identification. Previous tests conditions are listed below for reference.

Certificate of Conformance Number 97-038: The emphasis of this evaluation was on the device design, marking requirements, performance, and compliance with influence factors. The Doran 4300 indicator was interfaced with a load cell simulator for the evaluation. Several increasing/decreasing load tests were performed. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F).

Evaluated By: W. West and A. McCoy (OH0 97-038)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2000. NCWM, Publication 14: Weighing Devices, 2000.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: A. McCoy (OH) 97-038A1