

***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:

Doran Scales, Inc.
1315 Paramount Pkwy
Batavia, IL 60510
Tel: (630) 879-1200
Fax: (630) 879-0073
Contact: Thomas Whyte

Standard Features and Options

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:

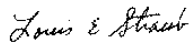
Remote switch that can be used for one of the following functions:

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 (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 8, 2000



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee

Issue date: September 1, 2000

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.

**Doran Scales, Inc.
Indicating Element
Models: 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).

The results of the evaluations indicate the devices comply with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2000 Edition

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

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