

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

For:

Indicating Element
Digital Electronic
Model: DS100
 n_{\max} : 5000

Accuracy Class: III

Submitted by:

Doran Scales, Inc.
1315 Paramount Parkway
Batavia, IL 60510
Tel: (630) 879-1200
Fax: (630) 879-0073
Contact: Mark Podl
Email: markp@doranscales.com

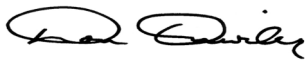
Standard Features and Options

Semi-Automatic (pushbutton) zero
Semi-Automatic (pushbutton) tare
Gross/net display
lb/kg/oz/g units capability
Motion indicator

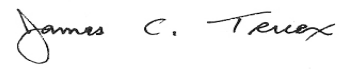
LED display
AC/DC power supply
Printing capability (print key)
Remote printing capability
Bi-directional RS-232 port

Temperature range of $-10\text{ }^{\circ}\text{C}$ to $40\text{ }^{\circ}\text{C}$ ($14\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$)

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.



Don Onwiler
Chairman, NCWM, Inc.



James C. Truex
Chairman, National Type Evaluation Program Committee
Issue date: July 28, 2005

Doran Scales, Inc.
Indicating Element
Model: DS100

Application: General purpose indicating element for use with a NTEP certified and compatible weighing element.

Identification: The required information is on a self destructive label attached by adhesive to the back of the device.

Sealing: The indicator utilizes a wire security seal threaded through two drilled head screws, which hold the access plate to the back cover and one drilled head screw which holds the back of the indicator to the front panel.

This indicator also has a Category 1 audit trail, with two event counters. To view the event counters:

1. Turn on the indicator
2. Press and hold the UNITS key. Press and release the ZERO (ON/OFF) key
3. The calibration parameter audit counter "C#" will be displayed followed by the configuration parameter audit counter "P#"
4. After the audit counters are displayed, the scale will cycle through each of the internal settings and return to the normal weighing mode.

Test Conditions: The emphasis of the evaluation was on the device design, marking requirements, and compliance with influence factor requirements. For the purpose of this evaluation the DS100 was submitted interfaced with the Doran Model DXL 8050 (Certificate of Conformance Number 97-097) weighing element. The indicator was evaluated for discrimination, center of zero and the print format. Several increasing/decreasing load and shift tests were performed. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Additionally, the device was tested with a power supply of 100 VAC to 130 VAC.

Evaluated By: A. McCoy (OH)

Type Evaluation Criteria Used: NIST Handbook 44, 2005 Edition; NCWM Publication 14, 2005 Edition

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

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