



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
Digital Electronic  
Model: DBSM1 Watchdog Security Series  
 $n_{\max}$ : 3000  
Accuracy Class: III

**Submitted By:**

Division Weigh To Go!  
PO Box 30578  
Memphis, TN 38130-0578  
Tel: 901-331-5777  
Fax: 901-328-6387  
Contact: Darrell Owens  
Email: [owens@divisionweightogo.com](mailto:owens@divisionweightogo.com)  
Web site: [www.divisionweightogo.com](http://www.divisionweightogo.com)

**Standard Features and Options**

Semi- Automatic (push button) Zero Setting mechanism  
Automatic Zero Tracking (AZT) mechanism  
AC/DC Adapter  
Remote Customer Display  
Lb/kg units  
Accumulation feature  
Overweight Bag Indication

Temperature Range of -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.

John Gaccione  
Chairman, NCWM, Inc.

Stephen Benjamin  
Committee Chair, National Type Evaluation Program Committee  
Issued: December 20, 2013

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) 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.



## Division Weigh To Go!

Indicating Element /DBSM1 Watchdog Security Series

**Application:** For use with baggage scales applications.

**Identification:** The required markings are located on the face plate of the indicating element.

**Sealing:** The device is sealed by means of a wire security seal threaded through two drilled head screws in the flat panel mount tab that covers the calibration access hole.

**Operation:** Manual Accumulation of Weight. The user may set the indicator to capture a weight on the scale for a “Single bag or a weight for a “Total of bags”. The value for the Total weight is specified by the end user.

There are two settings for accumulation in the MENU function:

- a. **BAG SP-** This is for the Set Point for a single bag. When the weight on the scale is above this value, the display will alternate the WEIGHT READING with “**BAG OVER**”
- b. **TOTAL SP-** This is the Set Point for bags total. If the total accumulated weight is over this amount the display will alternate the WEIGHT READING with “**TOT OVER**”

To get into either of these modes follow the directions below:

Press the “Menu” button located under the Dogs Jaw.

Press the “**ACCUM/↓**” button to select the desired item, and then press the **ZERO/ENT** button. The indicator will return to the weigh mode.

Place a bag on the scale and press **ACCUM**, the weight and number of bags will be added to the total. (Display reads i.e. 1= 50.0 lb)

The weight must be removed from the scale to **REARM** the accumulation feature. If the **ACCUM** button is pushed again before removing the load the totals are recalled and display. If the scale reading is moving when pressed the display reads **MOTION** until the weight is stable the weight will be added.

To clear the totals with the scale empty, press the **ZERO** button.

**Test Conditions:** This Certificate supersedes Certificate of Conformance number 08-027 and was issued to reactivate Certificate of Conformance number 08-027 without lapse. Changes were also made to update the company name (previously Division Systems) and contact information. Previous test conditions are listed below for reference.

**Certificate of Conformance Number 08-027:** The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor testing. A Division Services DBSM1 indicating element was submitted for evaluation. The device consists of an indicating element and a remote customer display. The remote display has no metrological functions. The device was interfaced to a load cell simulator. Several increasing/decreasing load tests were conducted. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104°F). The device was interfaced with a Division Systems Model DSP-5-2424 (NTEP CC 91-112A3) weighing element for testing for the zone of uncertainty, and other requirements from NCWM Publication 14. Additionally, tests were conducted using power supplies of 100 VAC to 130 VAC.

**Evaluated By:** A. McCoy (OH) 08-027

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2008 Edition. *NCWM Publication 14 Weighing Devices*, 2008 Edition.

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

**Information Reviewed By:** S. Patoray (NCWM), L. Bernetich (NCWM) 08-027; J. Truex (NCWM) 08-027A1



**Division Weigh To Go!**  
Indicating Element /DBSM1 Watchdog Security Series

Examples of Device:

