



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Weighing / Load-Receiving Element  
Load Cell Electronic  
Model: DSP Series\*  
 $n_{max}$ : 1135;  $e_{min}$ : 0.2 kg  
Capacity: 500 lb (227 kg)  
Platform: 18" x 24" to 36" x 36" (See Below)  
  
Accuracy Class: III

**Submitted By:**

Division Weigh To Go!  
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**Standard Features and Options**

Units: Pound/kilogram

**\*MODELS:** DSP-XXXXX

The first numeral of the model number reflects capacity in hundreds of pounds, e.g., 4 = 400 lb. The remaining numbers define the platform size, e.g., 1824 = 18" x 24".

Minimum Platform Size: 18" x 24"      Capacity: 400 lb or 500 lb       $e_{min}(lb/kg)$ : 0.5 lb/0.2 kg

Maximum Platform Size: 36" x 36"      Capacity: 400 lb or 500 lb       $e_{min}(lb/kg)$ : 0.5 lb/0.2 kg

Load cell used: TedeA Model 1250 (CC No. 89-054) or an equivalent NTEP approved load cell

Temperature Range: -10 to 40 °C (14 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

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## Division Weigh To Go! Weighing/Load Receiving Element / DSP Series

**Application:** Designed for use as a baggage scale.

**Identification:** A metal identification badge is riveted to the side of the weighing element. All required markings for the indicator are on the face of the indicator

**Sealing:** A wire security seal can be threaded through the screws that fasten the cover plate of the load cell junction box access cover. The system must be installed to allow easy access to the load cell junction box and the security seal.

**Test Conditions:** This Certificate supersedes Certificate of Conformance number 91-112A3 and was issued to reactivate Certificate of Conformance number 91-112A3 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 91-112A3:** This Certificate supersedes Certificate of Conformance number 95-112A2 and was issued without additional testing to change the company name. Previous test conditions are listed below for reference.

**Certificate of Conformance Number 91-112A2:** This Certificate supersedes Certificate of Conformance Number 91-112A1 and is issued to include larger platform sizes. The emphasis of this evaluation was on the device design, marking, performance and compliance with influence factors. Several increasing/decreasing load and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the device 100 549 times. The scale was tested periodically during this time. Results of the previous tests are repeated below.

**Certificate of Conformance Number 91-112A1:** This Certificate superseded Certificate of Conformance 91-112. Additional testing was required to add the 500 lb models. The emphasis of this evaluation was on the device design, marking, and performance requirements. Several increasing/decreasing load and shift tests were performed. A load of approximately one-half capacity was applied to the 500-lb scale 100 110 times. The scale was tested periodically during this time.

**Certificate of Conformance Number 91-112:** The emphasis of this evaluation was on the device design, operation, and compliance with marking requirements. Several increasing/decreasing load and shift tests were performed. Tests were also performed using 100 VAC and 130 VAC. No influence factor or permanence tests were performed since the indicator has the same electronics as the Doran Scale Model 7000M (CC No. 91-106) and the weighing elements are of the DSP5000 series manufactured by Doran Scale (CC No. 89-113).

**Evaluated By:** A. McCoy, W. West, B. Badenhop, and J. Truex (OH) 91-112, 91-112A1, 91-112A2

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 1997 Edition. *NCWM Publication 14 Weighing Devices*, 1997 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) 91-112A3; J. Truex (NCWM) 91-112A4

**Example of Device:**

