



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Load Cell, Electronic
Model: DSC-X-YYYY-Z Series (See Below)
 n_{\max} : 1150; e_{\min} : 0.2 kg
Capacity: 500 lb x 0.5 lb (230 kg x 0.2 kg)
Platform: 24" x 36" to 46" x 82"

Accuracy Class: III

Submitted By:

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Standard Features and Options

Model: DSC-X-YYYY-Z

X - represents the capacity in hundreds of pounds (e.g., 4 = 400 lb)
YYYY - represents the platform size (e.g., 2436 = 24" x 36")

Option: Z - represents "L" for level or an "I" for incline up to 7 1/2 percent

Minimum Platform Size: 24" x 36" (864 sq in)
Maximum Platform Size: 46" x 82" (3772 sq in)

Load Cells: Division Model DSB (Certificate of Conformance Number 99-056) or an NTEP-approved metrological equivalent

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.

John Gaccione
Chairman, NCWM, Inc.

Stephen Benjamin
Committee Chair, National Type Evaluation Program Committee
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Division Weigh To Go!

Weighing/Load Receiving Element/ DSC-X-YYYY-Z Series

Application: The DSC-X-YYYY-Z Series is a floor scale load receiving element designed for general purpose weighing of airline baggage. It is designed to be installed at the check-in counter as the front end of a conveyor system. It is not approved to be installed in any other manner in a conveyor system.

Identification: The identification information will appear on the front of the load receiving element on a metal badge, which is riveted to the housing.

Sealing: Since this is only a load receiving element, sealing is not applicable.

Test Conditions: This Certificate supersedes Certificate of Conformance number 95-018A2 and was issued to reactivate Certificate of Conformance number 95-018A2 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 95-018A2: This Certificate supersedes Certificate of Conformance number 95-018A1 and was issued without additional testing to change the company name.

Certificate of Conformance Number 95-018A1: This Certificate supersedes Certificate of Conformance Number 95-018 and is issued to add: (1) larger level load receiving platform, and (2) a 7 1/2 percent incline to the platform. For the purpose of this evaluation, the load-receiving element was interfaced with a Condec Model UMC444 indicator (Certificate of Conformance Number 88-225A3). The emphasis of the evaluation was on device design and operation. Several increasing/decreasing load tests to capacity and shift tests at one-half capacity were performed with the device level and with a load receiving element that had a 7 1/2 percent incline. A permanence test was performed by applying a load of approximately one-half scale capacity to the device over 300 times. The device was retested after the 30 days.

Certificate of Conformance Number 95-018: For the purpose of this evaluation, the load receiving element was interfaced with a Condec Model UMC444 indicator (Certificate of Conformance Number 88-225A3). The emphasis of the evaluation was on device design, operation, and compliance with the influence factor requirements. Several increasing/decreasing load tests to capacity and shift tests at one-half capacity were performed. The device was tested over a temperature range of -10 °C to 40C (14 °F to 104°F). A permanence test was performed by applying a load of approximately one-half scale capacity to the device over 100 000 times. The device was tested periodically during this time.

Evaluated By: W. West (OH), B. Badenhop (OH) 95-018; T. Lucas (OH) 95-018A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2000 Edition. *NCWM Publication 14 Weighing Devices*, 2000 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) 95-018A2; J. Truex (NCWM) 95-018A3

Example of Device:

