



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Digital Electronic
Model: DSL-X-YY-XX* and DSL Slim line Series
 n_{max} : 1135
 e_{min} : 0.2 kg
Capacity: 227 kg (500 lb)
Accuracy Class: III

Submitted By:

Division Weigh To Go!
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Standard Features and Options

*In the Model X is capacity in hundreds of pounds, YY & XX are the dimension of the scale

Type: Ultra Low Profile H.D. Platform Scale

Platform size: Platter dimensions (not to exceed 1296 square inches and lengths or widths no greater than 125 % of 36 in x 36 in)

Construction Type: Stainless steel platter, Mild steel base, solid steel swiveling feet.

Load cells used: Group Four Planar Beam, Model; GPB series, Capacity; 75 kg (NTEP CC 14-035) or other NTEP certified metrological equivalent

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.

Ronald Hayes
Chairman, NCWM, Inc.

John Gaccione
Committee Chair, National Type Evaluation Program Committee
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Division Weigh To Go!
Weighing/Load Receiving Element/ DSL-X-YY-XX & DSL Slim line Series

Application: For general purpose weighing applications when used with a type approved and compatible indicating element. Device must be permanently installed in a fixed level condition. The device is not approved for portable use.

Identification: The required markings are located under the platter on the steel plate where the load cell summing board is mounted. There is a self-adhesive tamper evident label that produces “VOID” when removed.

Sealing: There are no adjustable components in the weighing element. All calibration and setup functions are performed through the indicator and can be sealed according to the indicator manufactures requirements.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and influence factor testing. A Division Weigh to Go 36 inch by 36 inch, 227 kg (500 lb) capacity model DSL-5-36-36 weighing element was submitted for evaluation with Group Four, Model: GPB series NTEP approved load cells (Certificate of Conformance Number 14-035). The device was interfaced to a Division Weigh To GO indicator (Certificate of Conformance Number 08-027A1) Model: DBSM1 Watchdog Security Series. Multiple increasing/decreasing loads, discrimination zone of uncertainty, and shift tests were conducted. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104°F). A load of one half capacity was applied to the scale over 100 000 times. The scale was tested periodically during this time.

Evaluated By: T. Buck (OH), J. Gibson (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2015 Edition. *NCWM Publication 14 Measuring Devices*, 2014 Edition.

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

Information Reviewed By: J. Truex (NCWM)

Example of Device:

