



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Load Cell Electronic
Models: FS and FSS Series
 n_{max} : 5 000
 e_{min} : 0.5 lb
Capacity: 2500 to 10 000 lb
Platform: 2 ft x 2 ft to 6 ft x 6 ft (see below)
Accuracy Class: III

Submitted By:

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Standard Features and Options

Note: FS = Painted steel. FSS = Stainless steel. XXX is the scale capacity. YY is the platform size in feet. XXX will contain 2.5K, 5K and 10K. YY = Platform size in feet – 33 (3 ft x 3 ft), 44 (4 ft x 4 ft), 55 (5 ft x 5 ft).

Platform Area:

- Device evaluated: 3 x 3 ft and 6 x 6 ft. 36 square feet maximum. Areas up to but not larger than that evaluated at each capacity, with lengths or widths no greater than 125% of either dimension evaluated.

Options:

- Forklift channels; utility ramps; side rails; pit frames;

Platform Construction:

- Smooth or diamond plate steel deck. Carbon powder coated or stainless steel.

Load Cell Used:

- Changzhou Hongli Weighing Equipment Co., Ltd. Model AS130 (NTEP CC 17-113), or certified and metrological equivalent.

Indicating Element Used:

- Doran model 7000XL (NTEP CC 99-129A4) or certified and 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 is on the following pages.

James Cassidy
Chairman, NCWM, Inc.

Kristin Macey
Chairman, National Type Evaluation Program Committee
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Changzhou Hongli Weighing Equipment Co., Ltd.

Weighing/Load Receiving Element / FS and FSS Series

Application: General purpose weighing/load receiving element when connected to a certified and compatible indicating element.

Identification: A self-destructing adhesive identification plate is mounted on the side of the weighing element.

Sealing: Access to the load cell junction box can be sealed with a wire security seal.

Test Conditions: The emphasis of the evaluation was on the design, performance, and marking requirements of the weighing element. A 2500 x 0.5 lb 3 x 3 ft and a 10 000 x 2 lb 6 x 6 ft weighing element were evaluated at the manufacturer's assigned location. The weighing elements were interfaced with a Doran Scale's, Inc. weighing indicator (Model 7000XLM, NTEP CC 99-129A4). Several increasing/decreasing load tests and corner shift tests were conducted using certified weights during the initial evaluation. After conducting the initial evaluation, appropriate permanence criteria were met, after which the device was subjected to the same tests conducted during the initial evaluation.

Evaluated By: M. Kelley (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Weighing Devices*, 2018 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)

Examples of Device:



Painted Steel



Stainless Steel