

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Portable Floor Scale Weighing Element
Load Cell Electronic
Model: DH Series
 n_{\max} : 2500
 e_{\min} : 0.2 lb to 1.0 lb (See Below)
Capacity: 500 lb to 2000 lb (See Below)
Platform: 31" x 25"
Accuracy Class: III

Submitted by:

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Standard Features and Options

Ramp
Wheels for mobility

DHXXXX Series designates mild steel construction, where XX is the capacity
DHXXXXSS Series designates stainless steel construction, where XX is the capacity

<u>Model</u>	<u>Capacities</u>	<u>n_{\max}</u>
DH500	500 lb x 0.2 lb	2500
DH1000	1000 lb x 0.5 lb	2000
DH2000	2000 lb x 1 lb	2000

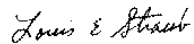
Load Cells Used: Teda Model 1260 (Certificate of Conformance Number 96-064) or a metrologically equivalent NTEP approved load cell.

Optional Sizes: Platform sizes are not to exceed 775 square inches

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of 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.

Effective Date: January 20, 1998



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee
Issue date: June 30, 1998

Note: The National Conference on Weights and Measures 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.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

Rice Lake Weighing Systems
Portable Floor Scale Weighing Element
Model: DH Series

Application: For use as a portable general purpose floor scale, when interfaced with a certified and compatible indicating element.

Identification: The required information is located on a metal identification badge attached to the back of the scale base structure.

Sealing: Access to the calibration is through the load cell junction box on the side of the weighing element. The load cell junction box can be sealed by threading a wire security seal through holes in the cover of the junction box to prevent undetected access. The indicator must also be sealed to manufacture specifications to prevent the set-up function from being performed.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking and compliance with influence factor requirements. Two bases, Models DH500SS (500 lb x 0.2 lb) and DH2000 (2000 lb x 1 lb), were submitted for the evaluation and interfaced with RLWS IQ+310 indicators (Certificate of Conformance Number 90-132A). Several increasing/decreasing load and shift tests were performed. Each scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the 500 lb scale 100 000 times and to the 2000 lb scale 100 120 times. Increasing/decreasing load, shift and corner tests were conducted periodically during this time.

The results of the evaluation indicate the devices comply with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition

Tested By: W. West (OH); A. McCoy (OH); S. Smith (OH)