National Conference on Weights and Measures
15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

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

For:
Weighing/Load Receiving Element
Digital Electronic
Model: BDP Series
n_{max}: 2500
e_{min}: 0.5 lb
Capacity: 1000 to 2500 lb
Platform: *See Below

Accuracy Class: III

Submitted by:
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Standard Features and Options

The weighing elements covered by this certificate are identified by XxXBDP-YYK, where X x X is the platform dimensions in feet and YY is the capacity in thousand pounds.

*Platform size up to 3' x 3'
Length or width can be increased by 125% not to exceed maximum platform area: 9 sq. ft.

Load Cell Used: Sensortronics Model 65023A (Certificate of Conformance Number 86-044A) or equivalent and compatible NTEP Certified Load cell.

Stainless and Mild steel

Options:
Portable frame

Temperature Range: 0 ˚C to 40 ˚C (32 ˚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.

Dennis E. Ehrhart
Chairman, NCWM, Inc.

Ross J. Andersen
Chairman, National Type Evaluation Program Committee

Issue date: July 25, 2003

Rice Lake Weighing Systems
Indicating Element
Model: BDP

Application: Platform scale for general weighing purposes to be used with an approved and compatible indicating element.

Identification: The required information is located on an adhesive label located on the scale base adjacent to the J-Box cover.

Sealing: The device can be sealed by threading a wire security seal through two fillister head screws on the junction box under the access cover plate.

Test Conditions: The emphasis of the evaluation was on the device design, operation, compliance with influence factor and marking requirements. For the purpose of this evaluation, a Model 3' x 3' BDP-1K (1000 lb x .5 lb), and Model 3' x 3' BDP-2.5K (2500 lb x 1 lb) weighing elements were submitted interfaced with Rice Lake Model IQ+310A indicators (Certificate of Conformance Number 91-123A3). The devices were tested for accuracy over a temperature range of 0 ^{o}C to 40 ^{o}C (32 ^{o}F to 104 ^{o}F). Several increasing/decreasing load, shift and corner tests were conducted periodically during this time. A load of approximately one half capacity was applied to each scale base over 100 000 times. The Model 3' x 3' BDP-2.5K was also submitted in a portability frame. Several increasing/decreasing load tests were conducted then the frame was moved 90^{o} and additional increasing/decreasing load tests were conducted. This test was repeated until this scale was tested facing in all for directions.

The results of the evaluations indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2003 Edition

Tested By: A. McCoy, T. Lucas & W. West (OH)

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM)