



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Static
Model: BW-3024-1K-CS-WB (Weight-Buggy)
 n_{max} : 1000
Capacity: 1000 lb x 1.0 lb, 450 kg x .5 kg
Platform: see below
Accuracy Class: III

Submitted By:

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Standard Features and Options

The relationship of the value for the load cell verification interval (v_{min}) to the scale division (e) for specific scale installation shall be: $v_{min} \leq e \div \sqrt{N}$ (where N is the number of load cells in the scale).

Cart Platform Construction:

- Painted Mild steel
- Leveling Bubble
- Swivel type rear wheel with fixed front wheels
- Hopper Size 31.5 in (W) x 36.5 in (L) x 24 in (D)
- J box for Class 1 Seal
- Portable

Load Cell Used: Vishay Model: 1250 NTEP CC: (89-054A2) or metrologically equivalent, compatible, and NTEP certified load cells.

Indicator Used: B-Tek Model: T405S NTEP CC: (16-112) or metrologically equivalent, compatible, and NTEP certified indicator.

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.

Gene Robertson
Chair, NCWM, Inc.

Mahesh Albuquerque
Chair, NTEP Committee
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**B-TEK Scales, LLC**

Weighing/Load Receiving Element / BW-3024-1K-CS-WB (Weight-Buggy)

Application: General purpose portable weighing/load receiving element when connected to an NTEP certified and compatible indicating element become a portable scale that can hold products and material in a 12-cu. ft. fixed container that can be emptied by a pull lever. Note: The Weighing/Loading Receiving Element must be static and leveled before a weigh indication can properly be read.

Identification: The self-destructive identification badge may be found on the lower frame spider assembly when viewed from the rear right side of the weighing/load receiving element.

Sealing: The center rear steel column that holds the NTEP certified indicator has a J box for securing the indicator connection to the load cells. The J box has two security screws that can be lead and wire sealed.

The NTEP certified indicator has it's own self-destructive adhesive label and means to be sealed and can be found by that models NTEP CC number.

Test Conditions: For the purpose of this evaluation, a Model: BW-3024-1K-CS-WB (Weight-Buggy) was submitted for evaluation. The emphasis of this evaluation was on device design, markings, operation, performance and compliance with influence factor requirements. The weighing/load receiving element was interfaced to an existing NTEP certified B-Tek Model: T405S indicator and multiple increasing/decreasing load tests, eccentricity and discrimination, level tests were performed in pound and kilogram. The weighing/load receiving element was tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of one half the capacity was applied 100 000 times and several increasing/decreasing load tests along with discrimination, eccentricity tests were repeated.

Evaluated By: B. Stone (OH) 23-091 (CN 10843)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2023 Edition. *NCWM Publication 14 Weighing Devices*, 2023 Edition.

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

Information Reviewed By: D. Flocken (NCWM) 23-091

Examples of Device:



B-TEK Scales, LLC
Weighing/Load Receiving Element / BW-3024-1K-CS-WB (Weight-Buggy)

