

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

For:

Bench and Counter Scale
Digital Electronic
Model: BW Series
 n_{max} : 3000
Capacity: 30 lb to 300 lb (See Below)
Platform: See Below

Accuracy Class: III

Submitted by:

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Standard Features and Options

Model	Capacity (lb)	Capacity (kg)
BW-15	30 x 0.01	15 x 0.005
BW-30	60 x 0.02	30 x 0.01
BW-60	150 x 0.05	60 x 0.02
BW-150	300 x 0.1	150 x 0.05

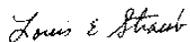
Semi-automatic (push-button) zero setting mechanism
Automatic zero setting mechanism (AZSM)
Initial zero setting mechanism (IZSM)
Semi-automatic (push-button) tare
Gross/net display
lb/kg conversion
Remote printing capability
Battery power supply
Battery saving feature (auto shut off)
AC/DC adapter

Options: Body type Style A: BW-15 and BW-30 (SMALLER BODY)
Body type Style B: BW-60 and BW-150 (LARGER BODY)

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: May 21, 1998



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee

Issue date: September 8, 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.

CAS (USA) Corporation
Bench and Counter Scale
Model: BW Series

Application: General purpose weighing.

Identification: The required information is on an adhesive badge affixed to the back of the indicator.

Sealing: The device is sealed by means of threading a wire security seal through two flat head screws at the bottom of the indicator to prevent access to the calibration switch.

Test Conditions: The emphasis of this evaluation was on the device design, operation, marking requirements, and compliance with influence factor requirements. The Models BW-15 (30 lb x 0.01 lb) and BW-150 (300 lb x 0.1 lb) scales were submitted for evaluation. Several increasing/decreasing load and shift tests were conducted. Each device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Additionally, tests were conducted using 100 VAC and 130 VAC power supplies. A DC power supply test was conducted using 6 volts and 13 volts. A load of approximately one-half scale capacity was applied to each scale 100 800 and 100 320 times, respectively.

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

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition

Tested By: A. McCoy and W. West (OH)