



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Multi-interval, Digital Electronic, Counter Bench
Model: EB Series
 n_{max} : 3 000
Capacity x d: (see below)
Platform: (see below)
Accuracy Class: III

Submitted By:

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Standard Features and Options

Standard Features:

- Automatic Zero Setting Mechanism (AZSM)
- Semi-Automatic (Push Button)
- Programmable Tare
- Platter Tare
- Battery Power Supply
- AC/DC Adaptor
- Customer Display (Dual)
- lb/kg Conversion Button
- Linearity Calibration Points
- Initial Zero Setting Mechanism (IZSM)
- Keyboard Tare
- Semi-Automatic (Push Button) Tare
- Tare Save Key
- Battery Saving Feature (Auto Shut Off)
- Gross Net Display
- Alphanumeric Display
- RS-232
- Programmable Speed Keys

Capacity/ lb	d=e	Capacity/ kg	d=e	n_{max}	Platform Size
0-30/30-60	0.01/0.02 lb	0-15/15-30	0.005/0.01 kg	3000	11" x 11"
0-60/60-150	0.02/0.05 lb	0-30/ 30-60	0.01/0.02 kg	3000	15 ¾" x 20 ½"
0-150/150-300	0.05/0.1 lb	0-60/60-150	0.02/0.05 kg	3000	15 ¾" x 20 ½"

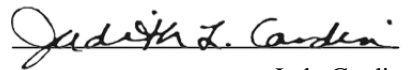
Load Cells Used:

- CAS BCA-30L, BCA-60L, and BCA-150L (Non NTEP)

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 are on the following pages.


Randy Jennings
Chairman, NCWM, Inc.


Judy Cardin
Chairman, National Type Evaluation Program Committee
Issued: November 19, 2009

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CAS-USA

Computing Scale; Multi-interval / EB Series

Application: General purpose bench counter scale.

Identification: A metallic identification badge is riveted to the lower back side of the indication element.

Sealing: The scale can be sealed by utilizing a wire seal threaded through two screw heads on the bottom of the indicator which secures a cover plate preventing access to the calibration switch.

Operation: The EB is a computing scale which is available in different capacities. This scale has an external lb/kg switch as well as programmable speed keys. This device has a programmable tare feature, which once activated locks the device in that particular weight range (lb/kg).

Test Conditions: The emphasis of this evaluation was on device design, marking requirements, operation and compliance with influence factors requirements. Two multi-interval versions were provided for this evaluation, a 0-30 x 0.01lb/30-60 x 0.02lb, 0-15 x 0.005 kg, 15-30 x 0.01 kg and a 0-150 x 0.05 lb/150-300 x 0.1 lb, 0-60 x 0.02 kg/ 60-150 x 0.05 kg. Both of these devices were tested over a temperature range of -10°C to 40° C (14° F to 104°F). These devices had a load of approximately one-half capacity applied over 100,000 times. Several increasing/decreasing load tests and shift tests were conducted periodically during this time. A DEP-50 paper printer was interfaced and the printing format was evaluated. The devices under evaluation were tested with power supply voltage range from 100 to 130 VAC and a battery voltage of 5.7 to 6.5 VDC.

Evaluated By: E. A. Payne, Jr. (MD)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2009. NCWM, Publication 14: Weighing Devices, 2009.

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)

Example of Device:

