

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

**For:**

Non-computing Scale; Counter/Bench  
Digital Electronic  
Models: SB-30, SB-70, SB-150  
 $n_{\max}$ : 3500       $e_{\min}$ : See Below  
Capacity: See Below  
Platform: See Below  
Accuracy Class: III

**Submitted by:**

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**Standard Features and Options**

Semi-automatic zero setting mechanism  
Semi-automatic (push-button) tare  
AC/DC adapter  
lb/kg toggle switch


Initial zero setting mechanism  
Remote printer capability  
Gross/net display  
LED display

Capacities	Models	$n_{\max}$	Platform
150 lb x 0.05 lb	SB-150	3500	13" x 13"
70 kg x 0.02 kg			
70 lb x 0.05 lb	SB-70	1500	10" x 13"
30 kg x 0.02 kg			
30 lb x 0.01 lb	SB-30	3000	10" x 13"
15 kg x 0.005 kg			

Load cells used: Transcell Models FAD-100, 100 kg; FAD-45, 45 kg; FAD-20, 20 kg (non-NTEP)

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.



Judith L. Cardin  
Chairman, NCWM, Inc.



Don Onwiler  
Chairman, National Type Evaluation Program Committee  
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**A&D Engineering**  
**Non-Computing Scale**  
**Models: SB, 30, SB-70, SB-150**

**Application:** General purpose weighing

**Identification:** The required marking information is on an adhesive label on the back of the scale. The label has a clear overlay to protect the printed information and will show a checkerboard pattern if it is attempted to be removed.

**Sealing:** Access to the calibration and set-up switch is secured by two drilled head screws that fasten the front cover plate to the frame of the scale. A wire security seal can be threaded through the two screws.

**Test Conditions:** This certificate is issued based upon the following tests and upon information provided by the manufacturer. The capacities 30 lb x 0.01 lb 70 lb x 0.05 lb and 70 kg x 0.05 kg were submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, marking requirements, and compliance with influence factor requirements. Several increasing/decreasing and shift tests were conducted. The devices were tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). A load of approximately one-half capacity was applied to the scales 100 000 times. The scales were tested periodically during this time. Additionally, tests were conducted using 100 VAC and 130 VAC power supplies.

**Evaluated By:** A. McCoy (OH), W. West (OH), S. Smith (OH)

**Type Evaluation Criteria Used:** NIST Handbook 44, 1997 Edition

**Conclusion:** The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

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

**Example of SB-70**

