



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Non-Computing Scale  
Bench Scale/Counter Scale  
Model: PB  
 $n_{\max}$ : 3 000  
 $e_{\min}$ : (see table below)  
Capacity: 60 to 500 lb; 30 to 200 kg  
Platform: 17.5 in x 14.0 in  
Accuracy Class: III

**Submitted By:**

CAS USA Corporation  
99-A Murray Hill Parkway  
East Rutherford, NJ 07073  
Tel: 201-933-9002  
Fax: 201-933-9025  
Contact: William Moutenot  
Email: [Bill@cas-usa.com](mailto:Bill@cas-usa.com)  
Web site: [www.cas-usa.com](http://www.cas-usa.com)

**Standard Features and Options****Standard Features:**

- Semi-automatic (push-button) Zero
- Automatic (AZSM) Zero Setting Mechanism
- Initial (IZSM) Zero Setting Mechanism
- Semi-automatic (push-button) Tare
- Gross/Net Weight Display
- Liquid Crystal Display (LCD)
- AC/DC Adaptor

- Battery Power Supply
- Battery Saving Feature/ Power Saving Mode
- RS-232
- Backlight
- Multi-interval
- lb/kg Switchable
- Version 2.18 or Higher

**Options:**

- DEP-50 Thermal Printer

**Load Cells Used:**

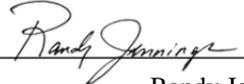
- CAS BCS-50PB, BCS-100PB, BCS-250PB, BCS-250PB (Non-NTEP)

Capacity (lb)	d=e	Capacity (kg)	d=e	$n_{\max}$
0-30/30-60	0.01/0.02	0-15/15-30	0.005/0.01	3000
0-60/60-150	0.02/0.05	0-30/30-60	0.01/0.02	3000
0-150/150-300	0.05/0.1	0-60/60-150	0.02/0.05	3000
0-250/250-500	0.1/0.2	0-100/100-200	0.05/0.1	2500

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.

  
Tim Tyson  
Chairman, NCWM, Inc.

  
Randy Jennings  
Chairman, National Type Evaluation Program Committee  
Issued: June 28, 2011

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) 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.



**CAS USA Corporation**  
Non-Computing Scale / PB

**Application:** For general purpose weighing.

**Identification:** The identification badge is riveted to the side of the platform.

**Sealing:** Inside the battery compartment on the bottom of the indicator head there is a metal plate with two metal screws with holes that the sealing wire is threaded through. This prevents access to the calibration switch.

**Conditions:** The emphasis of this evaluation was on the device design, marking, operation, and compliance with influence factor requirements. Two multi-interval bench scales were provided for the evaluations, a 0-30 x 0.01/ 30-60 x 0.02lb (0-15 x 0.005/15-30 x 0.01 kg) and a 0-250 x 0.1/ 250-500 x 0.2lb (0-100 x 0.05/ 100-200 x 0.1 kg) were evaluated. Both of the 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. The devices under evaluation were evaluated with power supply voltages of 100 and 130 VAC and the DC battery voltage from 5.6VDC to 13.2VDC. The device was interfaced with CAS DEP-50 thermal printer to verify motion detection and printing formats.

**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, 2011. NCWM, Publication 14: Weighing Devices, 2011.

**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)

**Examples of Device:**



Wire Seal



Self-Destructive Seal