



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-computing Scale
Model: Highland Series
 n_{\max} : 6000 to 12 000 (See Table Page 2)
 e_{\min} : (See Table Page 2)
Capacity: 100 g to 5000 g (See Table Page 2)
Platform: 12 cm diameter
Accuracy Class: II

Submitted By:

Adam Equipment Inc.
1 Fox Hollow Road
Oxford, CT 06478
Tel: 203-790-4774 ext. 322
Contact: George Boncek
Email: g.boncek@adamequipment.com
Web site: www.adamequipment.com

Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push button)
- Semi-Automatic Tare (Push button)
- AC Power
- DC Power/Battery
- Power Saving Feature (Auto Shut Off)
- Gross/Net Display
- Liquid Crystal Display
- RS-232 Communication Port
- USB Communication Port
- Capable of displaying: kg, g, c, lb, oz, oz t, and gr

Load cells used: HBM model SPL/xxKG-1 (Non-NTEP approved) and LCT model LAK-B3 (Non-NTEP approved).

Temperature Range: +15 °C to +35 °C (59 °F to 95 °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.

James Cassidy
Chairman, NCWM, Inc.

Kristin Macey
Committee Chair, National Type Evaluation Program Committee
Issued: January 10, 2018

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.



Adam Equipment Inc.
Non-computing Scale / Highland Series

Specific Models:

Model	Capacity	e / d	n _{max}	Platter Size
HCB 103aM	100 g	0.01 g / 0.001 g	10 000	12 cm circle
HCB 302aM	300 g	0.05 g / 0.05 g	6000	12 cm circle
HCB 602aM	600 g	0.1 g / 0.01 g	6000	12 cm circle
HCB 1202aM	1200 g	0.1 g / 0.01 g	12 000	12 cm circle
HCB 3001aM	3000 g	0.5 g / 0.5 g	6000	12 cm circle
HCB 5001aM	5000 g	0.5 g / 0.5 g	10 000	12 cm circle

Application: General purpose weighing/load receiving element

Identification: The required markings are located on a sticker affixed to the side of the scale.

Sealing: A pressure sensitive seal on the bottom of the unit covering a screw and the calibration point and a pressure sensitive seal across the seam connecting the upper and lower halves of the scale base.

Test Conditions: For this evaluation, a model HCB 103aM with a capacity of 100 g, an HCB 602aM with a capacity of 600 g and a model HCB 5001aM with a capacity of 5000 g were submitted. The emphasis of the evaluation was on the design, performance, and marking requirements of the weighing element. Several increasing/decreasing load tests, shift tests, discrimination tests, and level indicator tests were performed. The units were tested over a temperature range of +15 °C to +35 °C (59 °F to 95 °F). A load of one-half scale capacity was applied to each weighing element 100 000 times. The devices were tested periodically during this time.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Measuring Devices*, 2017 Edition.

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:



Highland Series



Method of Sealing