National Conference on Weights and Measures
15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

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

For:
Computing Scale
Digital Electronic
Model: PC-100
n_{max} : 3000
Capacity: 60 lb (0-30 lb x 0.01 lb/30-60 lb x 0.02 lb)
Platform: 13.8" x 10.6"

Accuracy Class: III

Submitted by:
Atron Systems, Inc.
d/b/a Easy Weigh
4 York Avenue
West Caldwell, NJ 07006
Tel: (973) 227-8882
Fax: (973) 227-8820
Contact: Antonio Garcia
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Standard Features and Options

Semi-automatic zero (push-button)
Automatic zero setting mechanism (AZSM)
Semi-automatic (push-button) tare
Proportional tare (%)
Customer display
Numeric keypad
Physical seal
Percent tare annunciator
Initial zero setting mechanism (IZSM)
Programmable (PLU) tare
Gross/net display
AC power supply
Memory recall
Vacuum fluorescent display (VFD)

Options: Tower display
PLU keyboard only with tower display
LED display
RS-232 serial interface

Load cell: Acom, Inc. Model CBS-30 (non-ntep)

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.

Dennis E. Ehrhart
Chairman, NCWM, Inc.

Ross J. Andersen
Chairman, National Type Evaluation Program Committee

Issue date: June 11, 2004

Atron Systems, Inc.
Computing Scale
Model: PC-100

Application: General purpose computing scale for direct sale.

Identification: The identification plate is riveted to the side of the scale.

Sealing: The calibration switch is located under a metal plate, beneath the scale platter. Access to the switch can be sealed by threading a wire security seal through a drilled head screw and a metal tab.

Test Conditions: This certificate supersedes Certificate of Conformance number 00-111A1 and is issued to indicate the transfer of ownership from Acom America, Inc. to Atron Systems, Inc. The NTEP Certificate of Conformance 00-111A1, though inactive, remains in effect to cover those devices previously sold and installed under the original name. Previous test information and documentation provided by the company was reviewed. The test conditions for the original type evaluations are listed below.

Certificate of Conformance 00-111A1: This Certificate supersedes Certificate Number 00-111 and is issued to change contact information, clarify display type and correct information regarding the RS-232 port. Functional testing was conducted on the RS-232 port. Previous test conditions are listed below for reference.

Certificate of Conformance Number 00-111: The emphasis of the examination was on the device design and operation. The Model PC-100 was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was placed on the scale 100 000 times. Increasing/decreasing load and shift tests were conducted periodically during this time. Additionally, the scale was tested over a voltage range of 100 VAC to 130 VAC.

Evaluated By: D. Parks (CA) 00-111, 00-111A1

Type Evaluation Criteria Used: NIST Handbook 44, 2001 Edition; NCWM Publication 14, Edition 2001

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

Information Reviewed By: S. Patoray (NCWM) 00-111A1, 04-057; L. Bernetich (NCWM) 04-057