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

Certificate Number: 00-111A1

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

For:
Computing Scale
Digital Electronic
Model: PC-100
n_{max}: 4500
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:
ACOM America, Inc.
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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.

Effective Date: January 9, 2002

Ronald D. Murdock
Chairman, NCWM, Inc.

Louis E. Straub
Chairman, National Type Evaluation Program Committee

Issue date: January 16, 2002

ACOM America, 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 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.

The results of the evaluations and information provided by the manufacturer indicate the device comply with the applicable requirements specified in Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2001 Edition

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

Information Reviewed By: S. Patoray (NCWM) 00-111A1