



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Computing Scale  
Digital Electronic  
Models: L-PC Series  
Capacity: 40 lb x 0.01 lb (20 kg x 0.005 kg)  
 $n_{max}$ : 4000  
Platform Size: 9 in x 12 in  
Accuracy Class: III

**Submitted By:**

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**Standard Features and Options**

Semi-automatic (push-button) zero  
Initial zero setting mechanism (IZSM)  
Battery powered with an AC adapter power pack  
Liquid crystal display (LCD)  
Price look-up capability  
Customer display

Automatic zero setting mechanism (AZSM)  
Semi-automatic (push-button tare)  
Stainless steel platter  
RS 232 communication port  
USB communication port

**Load Cells Used:** Medidata Model MO22-20kg (non-NTEP)

	L-PC-40L	L-PC-20	L-PC-40LT*	L-PC-20T
Capacity x Division	40 lb x 0.01 lb	20 kg x 0.005 kg	40 lb x 0.01 lb	20 kg x 0.005 kg
Platform Size	9 in x 12 in	9 in x 12 in	9 in x 12 in	9 in x 12 in
Maximum Price Display	\$999.99	\$999.99	\$999.99	\$999.99
PLU	100 PLU memory	100 PLU memory	100 PLU memory	100 PLU memory


\*Model submitted for evaluation

"T" suffix denotes a turret style customer display

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.

  
Brett Gurney  
Chairman, NCWM, Inc.

  
James Cassidy  
Committee Chair, National Type Evaluation Program Committee  
Issued: December 28, 2018

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**Fabricantes de Basculas Torrey, S.A. de C.V.**

Computing Scale / L-PC Series

**Application:** Point-of-sale scale used in direct sale.

**Identification:** The required markings are on an adhesive tamper evident identification label which is located under the weighing platter and is visible when the platter is removed.

**Sealing:** Sealing is provided by a wire security seal threaded through holes in two plastic screws. These screws secure a cover plate on the bottom of the scale, which prevents access to a calibration button inside the scale. The scale also has a Category 1 audit trail with calibration and configuration event counters.

The calibration counter is accessed by turning on the scale and during the initial countdown pressing buttons: STO, C, 1, 0, 0, and 0. The display will be "CA X", where X is the number of calibration events.

The configuration counter is accessed by turning on the scale and during the initial countdown pressing buttons: STO, C, 1, 0, 0, and 1. The display will be "CF X", where X is the number of configuration events.

**Test Conditions:** This certificate supersedes Certificate of Conformance Number 06-046A2 and was issued to recognize a sale of the company to Fabricantes de Equipos para Refrigeracion S.A. de C.V., recognized in the Submitted By: box on page one. Information provided by the manufacturer was reviewed. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

**Certificate of Conformance 06-046A2:** This certificate supersedes Certificate of Conformance Number 06-046A1 and is issued to include the use of a capacitive keyboard with all models. A model L-PC-40L was submitted for evaluation and a number of tests were performed to verify that Price Computations, Tare and Zeroing were performed correctly. No additional testing was deemed necessary.

**Certificate of Conformance 06-046A1:** This certificate supersedes Certificate of Conformance Number 06-046 and is issued to include USB Communication Port to the list of Standard Features and Options. A model L-PC-40L was submitted for evaluation and was connected via the USB Port to a PC that had the Torrey computer program Scale v2.2 loaded. A number of loads were applied to the scale to verify correct transmittal of data to the computer. No additional testing was deemed necessary.

**Certificate of Conformance 06-046:** A Model L-PC-40LT was submitted for this evaluation. The emphasis of the evaluation was on device design, operation, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the scale over 100 000 times with accuracy tests performed approximately every 25 000 times. The device was tested with voltages from 5.6 VDC to 6.6 VDC and from 100 VAC to 130 VAC.

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

**Tested By:** S. Boyd (CA) and J. Latham (CA) 06-046; E. Morabito (NY) 06-046A1, 06-046A2

**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) 06-046; J. Truex (NCWM) 06-046A1, 06-046A2, 06-046A3



**Fabricantes de Basculas Torrey, S.A. de C.V.**  
Computing Scale / L-PC Series

**Examples of Device:**



**Model L-PC-40L**



**Model L-PC-40L with capacitive keyboard**