

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

For:

Bench and Counter Scale
Digital Electronic
Models: LP-II and LP-II (RP)
Capacity: See Below
Platform: 15 7/8-in x 10 3/4-in (40 cm x 26 cm)
 n_{\max} : 3000 e_{\min} : 0.01 lb (0.005 kg)
Accuracy Class: III

Submitted by:

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Standard Features and Options

Automatic multi-interval: 0-30 lb x 0.01 lb (0-15 kg x 0.005 kg) /
30-60 lb x 0.02 lb (15-30 kg x 0.01 kg)

Semi-automatic (push-button) zero setting mechanism
Automatic zero setting mechanism (AZSM)
Initial zero setting mechanism (IZSM)
Keyboard tare
Programmable tare
Semi-automatic (push-button) tare
Lb/kg conversion

Integrated printer
AC power supply
Gross/net display
Customer (dual display)
Alphanumeric display
RS-232 communication port

Options:

Ethernet card
Cash drawer

Optional Model: LP-II (RP) remote weigh platform 0-30 lb x 0.01 lb (0-15 kg x 0.005 kg) / 30-60 lb x 0.02 lb (15-30 kg x 0.01 kg)

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.



Mike Cleary
Chairman, NCWM, Inc.



Don Onwiler
Chairman, National Type Evaluation Program Committee
Issued Date: February 20, 2007

Note: The National Conference on Weights and Measures 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
Bench and Counter Scale
Models: LP-II and LP-II (RP)

Application: General purpose weighing for direct sale of retail food products.

Identification: The required information is on a self-adhesive badge located in the rear of the unit for the LP-II and under the scale platter for the LP-II (RP).

Sealing: The device is sealed by means of threading a wire security seal through a plastic raised tab located under the platter and a tab attached to the keyboard. This prevents undetected access to the inside of the scale. The device has an audit trail, which is accessed by turning the power off and then back on. The power switch is located on the left side of the scale under the cover plate. Press the pre-pack key when the power is turned back on. The required information appears on the indicator face. To exit the audit trail, press the “st/ttl” button on the keypad. The LP-II (RP) is a weighing element only. Sealing is provided by the certified indicating element.

Operation: The Model LP-II (RP) is a remote weighing platform that may be interfaced to the CAS Model LP-II bench scale and utilizes the features of the Model LP-II scale for pre-packaging purposes. The LP-II platform is disabled when the LP-II (RP) is connected.

Test Conditions: This certificate supersedes Certificate of Conformance Number 98-202A2 and is issued to include the Model LP-II (RP) as a remote weighing platform. The emphasis of the evaluation was on the device design, operation and compliance with influence factor requirements. The LP-II (RP) (0-30 lb x 0.01 lb/30-60 lb x 0.02 lb) multi-interval device was submitted interfaced to a CAS Model LP-II counter scale for the evaluation. Several increasing/decreasing load and shift tests were performed. Also an AC power supply from 100 VAC to 130 VAC was tested. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of half capacity was applied to the base over 100 000 times. The scale was tested periodically during this time. Previous test conditions are listed below for reference.

Certificate of Conformance Number 98-202A2: This certificate superseded Certificate of Conformance Number 98-202A1 and was issued to include an Ethernet card, a cash drawer, change the power supply module and display. The emphasis of the evaluation was on the device design, operation and compliance with influence factor requirements. The LP-II (0-30 lb x 0.01 lb/30-60 lb x 0.02 lb) multi-interval device was submitted for the evaluation. Several increasing/decreasing load and shift tests were performed. Also an AC power supply from 100 VAC to 130 VAC was tested. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of half capacity was applied to the base over 100 000 times. The scale was tested periodically during this time.

Certificate of Conformance Number 98-202A1: This certificate superseded Certificate of Conformance Number 98-202 and was issued without testing to correct a typographical error on the multi-interval capacity listed on the Standards Features and Option section and test conditions of the original certificate.

Certificate of Conformance Number 98-202: The emphasis of the evaluation was on the device design, operation and compliance with influence factor requirements. A 0-30 lb x 0.01 lb/30-60 lb x 0.02 multi-interval device was submitted for the evaluation. Several increasing/decreasing load and shift tests were performed. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of half capacity was applied to the base over 100 000 times. The scale was tested periodically during this time. Additionally, tests were conducted using 100 VAC and 130 VAC power supplies.

Evaluated By: A. McCoy (OH) 98-202A2; W. West (OH) 98-202; S. Boyd and J. Latham (CA) 98-202A3

Type Evaluation Criteria Used: NIST Handbook 44, 2007 Edition, NCWM Publication 14, 2006 Edition

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

Information Reviewed By: L. T. Sebring (NIST) 98-202A1; S. Patoray, L. Bernetich (NCWM) 98-202A2; 98-202A3

**CAS (USA) Corporation
Bench and Counter Scale
Models: LP-II and LP-II (RP)**

Example of Model LP-II:



Example of Model LP-II (RP):

