

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

For:

Price Computing Bench/Counter Scale
Digital Electronic
Model: R-220
 n_{\max} : 4000; e_{\min} : 0.01 lb (0.005 kg)
Capacity: 40 lb (20 kg)
Platform: 9 1/2" x 13 1/2" (247 mm x 350 mm)

Accuracy Class: III

Submitted by:

Yamato Corporation
1775 S. Murray Blvd.
Colorado Springs, CO 80916
Tel: (719) 591-1500
Fax: (719) 591-1045
Contact: Larry Goodbar
Web Site: www.yamatocorp.com

Standard Features and Options

Semi-automatic (push-button) zero setting mechanism
Automatic (AZSM) zero setting mechanism
Initial (IZSM) zero setting mechanism
AC power supply
Customer (dual) display
RS-232 communication port
Unit price auto clear
Full numeric keypad

Keyboard tare
Semi-automatic(push-button) tare
Tare save key
Programmable tare
Unit price save key
PLU keys
Tare auto clear

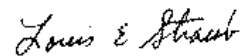
Temperature Range: -5 °C to 35 °C (23 °F to 95 °F)

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: October 11, 2001



Ronald D. Murdock
Chairman, NCWM, Inc.



Louis E. Straub
Chairman, National Type Evaluation Program Committee

Issue date: October 11, 2001

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.

Yamato Corporation
Price Computing Bench/Counter Scale
Model: R-220

Application: General purpose price computing bench scale for direct sales in supermarkets, delicatessens, and other areas where use of price lookup (PLU) codes and customer displays are used.

Identification: The required information is on an identification badge on the side of scale.

Sealing: The device can be sealed with a wire security seal threaded between two sealing screws (under the platter) which prevents the housing from being separated from the base, thus preventing undetected access to the calibration and configuration switches.

Test Conditions: This Certificate supersedes Certificate of Conformance number 98-205 and was issued without additional testing to reactivate Certificate of Conformance number 98-205 without lapse. Changes were also made to update the contact information.

Certificate of Conformance 98-205A1: The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. A 40-lb x 0.01-lb scale was submitted for the evaluation. Several increasing/decreasing load and shift tests were conducted. The device was tested over a temperature range of -5 °C to 35 °C (23 °F to 95 °F). A load of approximately one-half scale capacity was applied to the scale 100 346 times. The scale was tested periodically during this time. Additionally, tests were conducted using 100 VAC and 130 VAC power supplies.

The results of the evaluation indicate the device complies with the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: A. McCoy & W. West (OH) 98-205

Updated By: Linda Bernetich (NCWM) 98-205A1