



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Digital Electronic
Model: UNI-10 Series
 n_{max} : 3 000
 e_{min} : 0.005 lb / 0.002 kg
Capacity: 30 lb / 15 kg
Platform: 420 x 263 mm
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Semi-automatic (push-button) Zero Setting Mechanism
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-automatic (push-button) Tare
- RS-232 Serial Port and Network Communications
- Programmable Unit Price, Commodity Name, UPC Numbers
- Unit Price and Tare Save Key
- Keyboard Tare
- Tare/Net Display
- Units (lb, kg,)
- Programmable (PLU) Tare
- Integral Printer
- AC Power
- LCD/Touch Screen Operator Display, LCD Customer Display

Models	Cap x d (lb)	Cap x d (kg)
UNI-10 B	30 x 0.01 Or 0-15 x 0.005 15-30 x 0.01	15 x 0.005 Or 0-6 x 0.002 6-15 x 0.005
UNI-10 P	30 x 0.01 Or 0-15 x 0.005 15-30 x 0.01	15 x 0.005 Or 0-6 x 0.002 6-15 x 0.005
UNI-10 H	30 x 0.01 Or 0-15 x 0.005 15-30 x 0.01	15 x 0.005 Or 0-6 x 0.002 6-15 x 0.005

Load Cell Used: Mineber Co., Ltd. C2G1-25K or Mineber Co., Ltd. CLC-25N, (both non-NTEP)

Temperature Range: -5 °C to 40 °C (23 °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 *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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Mahesh Albuquerque
Chairman, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: September 1, 2022

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Ishida Mfg. Korea Co. Ltd.
Computing Scale / UNI-10 Series

Application: This is a computing scale used in general purpose weighing for retail, self-service, and pre-packaging.

Identification: For UNI-10 B and UNI-10 P the required markings are located on the right side of the scale. The capacity and division size information is adjacent to the weight display. For UNI-10 H, the required markings are adjacent on the bottom of main body.

Sealing: For UNI-10 B and UNI-10 P a tamper evident paper seal over two screws prevent access to the calibration switch inside and from opening the case. Alternatively, they are secured with a wire security seal through two screws. For UNI-10 H, a tamper evident paper seal over two screws prevent access to the calibration switch inside. Alternatively, they are secured with a wire security seal through two screws. Another two screws that are secured with a wire security seal, prevents opening the case.

Test Conditions: This certificate supersedes Certificate of Conformance Number 22-014 was issued to correct the model descriptions listed in the model's table shown on page one, in the product examples listed at the end of the certificate, and in other information throughout the certificate. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance Number 22-014: The models UNI-10 B (6 / 15 kg x 0.002 / 0.005 kg) and UNI-10 H (15 kg x 0.005 kg) computing scales were submitted for evaluation. The emphasis of the evaluation was on device design, operation, marking requirements, compliance with influence factor requirements, and accuracy of computations. Several increasing, decreasing, and eccentric loading tests were conducted to evaluate the performance of the scales. Each scale was tested at 80 VAC, 120 VAC, and 264 VAC. Influence factor tests were conducted over a temperature range of -5° C to 40° C (23° F to 104° F). Several receipts were printed using the integral label printer. Additionally, a load of approximately half capacity was applied to the scales over 100 000 times. The scales were tested periodically over this time for accuracy, zero functions, and general metrological operation.

Evaluated By: C. Boggs (OH) 22-014; D. Flocken (NCWM) 22-014A1

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14: Weighing Devices*, 2021 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: D. Flocken (NCWM) 22-014, 22-014A1

Example(s) of Device:

UNI-10 B





Ishida Mfg. Korea Co. Ltd.
Computing Scale / UNI-10 Series

UNI-10 P



UNI-10 H





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Sealing Options:

UNI-10 B, Sealing Options





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Computing Scale / UNI-10 Series

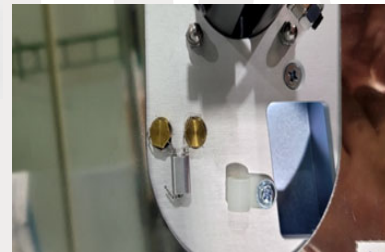
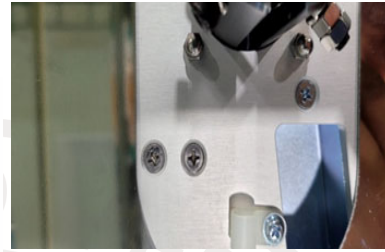
UNI-10 P, Sealing Options





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UNI-10 H, Sealing Options



1. Seal sticker.

2. Hexagon bolt seal.

