



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Point-of-Sale System
Software
Model: Farm Scale
Software Version: 1.0 or higher

Submitted By:

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Standard Features and Options

- Printer
- Units (lb, oz, kg, g)
- Scannable bar codes
- Agricultural Commodity Identification
- Wireless communication
- Handheld bar code scanner
- User Changeable label format
- Portable
- Cloud enabled

System Requirements:

- Computer
- NTEP certified Non-computing Scale or NTEP certified indicating element interfaced with a NTEP certified weighing load receiving element.
- Printer
- Handheld Bar code scanner

Operating System:

- Microsoft Windows 10 or Higher

Program Language:

- C++, VB and SQL

Processor:

- 433 MHz
- 512 MB of RAM or Higher

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.

Jason Flint
Chair, NCWM, Inc.

Kevin Schnepf
Chair, NTEP Committee
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Kapono Design, LLC
Point of Sale Software / Farm Scale

Application: A software used to print gross weight values for agricultural commodities from the RS 232 output from a NTEP certified and compatible non-computing scale or NTEP certified indicating element interfaced with a NTEP certified weighing load receiving element.

Identification: All required identification is located on the main operator screen.

Sealing: The software has no metrological components, so sealing is not required. Seal the interfaced NTEP certified and compatible scale according to its certificate of conformance.

Operation: The Farm Scale software takes the RS 232 output from any NTEP Certified and compatible non-computing scale or indicating element with an interfaced weighing load receiving element and combines the weight value with the appropriate origin premise numbers, unique package identifier and agricultural commodity types and prints a scannable bar code with the weight value, origin premise number and agricultural commodity ID code.

Test Conditions: This certificate supersedes Certificate of Conformance Number 21-101 and was issued without additional testing to reactivate Certificate of Conformance 21-101 without lapse and to update the contact information. Previous test conditions are listed below for reference.

Certificate of Conformance Number 21-101: The Model: Farm Scale version 1.0 was submitted and evaluated in the field. The emphasis of the evaluation was on the interaction of the software and scale, the operation and features of the software and the weight label format produced. The Farm Scale software was loaded on a Shuttle Model DH9BU21 computer using Windows 10 as the operating system and interfaced with a Ohaus Model: TD52P Indicating element (NTEP Certificate of Conformance number 18-065) and a Ohaus Model: D125RTX weighing load receiving element (NTEP Certificate of Conformance number 18-077) a Zebra Model ZD421 Printer and a Symbol handheld optical scanner. Multiple receipts were printed of weighed items,

Evaluated By: J. Gibson (OH) 21-101 (CN 10231); G. Gholston (NCWM) 21-101A1 (CN 11977)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 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)21-101, J.Gibson (NCWM) 21-101A1



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Example of Device:

Farm Scale Display

Printed weight receipt