



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Point-Of-Sale (POS) System
Electric Cash Register (ECR) Interfaced with Scale
Model(s): C100, C300, C301, C302U, C305, C500, C50, C503
and C505 (see **Table 1** for Model Number Designations)
Version: 1.0-1558 or higher

Submitted By: Information Update July 2023

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Standard Features and Options

Standard Features:

- Standard tare
- Units: lb, oz, kg (minimum 0.01 lb, 0.1 oz, 0.005 kg)
- Universal Product Code (UPC) scanning
- Search transaction history
- Void capability (clear order)
- Touchscreen monitor, merchant display (visible to the customer and operator)
- Built-for-Purpose Software-Based Device
- Test mode
- Receipt printer
- Android Operating System
- AC Power

Options:

- Customer display (can work with any model from Clover)
- Programmable keyboard tare and tare stored with Price Lookup (PLU) works in conjunction with the Appheaven Weigh & Pay PRO App

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.

Gene Robertson
Chair, NCWM, Inc.

Mahesh Albuquerque
Chair, NTEP Committee
Issued: February 5, 2024

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**Clover Network, Inc.**

Point-Of-Sale (POS) System / C100, C300, C301, C302U, C305, C500, C501, C503 and C505

Application: The point-of-sale (POS) software-based system is certified to add price computing capabilities for retail POS applications when interfaced specifically with a CAS USA, Corporation Model SW-RS (20 lb x 0.01 lb) NTEP CC Number (99-002) scale.

Identification: The make, model, serial number, and NTEP Certificate of Conformance (CC) number are on a permanent identification (ID) badge that is visible after installation on the backside of the device touch screen for all the models (*Figure 1*).

Table 1. Model Number Designations and Generic Names

Model Number(s):	Generic Name(s):
C100, C500	Clover Station
C300, C301, C302U*	Clover Mini
C501	Clover Station Solo
C503	Clover Station Pro
C505	Clover Station Duo 2
*Suffix "U" is optional. It means that it is a United States model.	

Sealing: This POS software-based system has no metrological features that require security sealing. The scale weighing element must be security-sealed in accordance with the sealing provisions as indicated in its respective NTEP CC requirements for that device.

Operation: The POS software-based device can add price computing information for both weighed and non-weighed items by use of PLU number entries using the keyboard or UPC barcodes that are read by scanners. Voiding weighed items can be accomplished using the "Clear Order" button. PLUs can be programmed for items by weight with or without tare; items by weight with multiple pound unit prices; and items by count with single priced items. Tare can be entered by keyboard by the operator and displays the tare. When printed receipts are given and tare is taken, the result will be a net weight. See *Figures 2, 3, 4, 5, 6, 7, and 8* for examples of each model.

When the Appheaven Weigh & Pay PRO Application (App) is installed on the Clover Network, Inc. system, a programmable keyboard tare can be used. Weigh & Pay PRO extends the Clover POS Register system's tare by adding the capability of programmable tares for containers and packaging. *Figure 6* shows a typical screenshot of the Clover POS Register App and the Weigh & Pay PRO App when it is also installed. The Weigh & Pay PRO App will not be displayed when it has not been installed.

Test Condition: This Certificate supersedes Certificate of Conformance Number 16-091A8 and was issued without additional testing to reactivate Certificate of Conformance 16-091A8 without lapse. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-091A8: This Certificate supersedes Certificate of Conformance number 16-091A7 and is used to add the Clover Station Duo 2 to the certificate of conformance. The emphasis of the evaluation was on device operation, interaction with the scale, marking requirements, and receipt format. The Clover POS software version 1.0 - 1285 was interfaced with a non-computing scale; CAS USA, Corporation Model SW-RS (20 lb x 0.01 lb) NTEP CC Number 99-002. Numerous transactions were conducted utilizing weighed items and items sold by count to check rounding. Tare weight entries were used to verify compliance for net weight transactions. Voids, credits, and power failure tests were performed. Mathematical price computations were checked using various weights and unit prices in lb, oz and kg units. Printed receipt formats were evaluated for compliance with current requirements.

Certificate of Conformance Number 16-091A7: This Certificate supersedes Certificate of Conformance number 16-091A6 and is issued to indicate a sale of the company from Clover Network Inc to Clover Network LLC no additional testing was necessary. Previous test conditions are listed below for reference. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-091A6: This Certificate supersedes Certificate of Conformance number 16-091A5 and is issued to add an additional model, the C305 Clover Mini Gen 3. There were no metrological changes to the device software; the new model has a different housing configuration and is added per NTEP policy and manufacturer information. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-091A5: This Certificate supersedes Certificate of Conformance number 16-091A4 and is issued to add additional model C501 Clover Station Solo no meteorological changes to device added per NTEP policy and manufactures information. Updated the Standard Features and Options box to show keyboard tare and tare stored with Price Lookup (PLU) are optional. Contact information updated. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

**Clover Network, Inc.**

Point-Of-Sale (POS) System / C100, C300, C301, C302U, C305, C500, C501, C503 and C505

Certificate of Conformance Number 16-091A4: This certificate supersedes Certificate of Conformance Number 16-091A3 and is issued to replace the old model numbers with updated model numbers. An additional Model C503, with new photographs, operator and customer displays, was also added. The “Identification” section was reviewed to update the permanent ID badge of each model. The version number and minimum system requirements were removed because they were deemed unnecessary per National Institute of Standards and Technology (NIST) Handbook 44 (2020), Section 1.10. General Code marking requirements. No testing was deemed necessary.

Certificate of Conformance Number 16-091A3: This certificate supersedes Certificate of Conformance number 16-091A2 and is issued without additional tests to reactivate Certificate of Conformance number 16-091A2 without lapse. Company contact info updated. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-091A2: This certificate supersedes Certificate of Conformance Number 16-091A1 and is issued without additional tests to reactivate Certificate of Conformance Number 16-091A1 without lapse. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-091A1: This certificate supersedes Certificate of Conformance Number 16-091 and is issued to add keyboard tare to the Clover POS system and programmable keyboard tare with Weigh & Pay PRO App. thus extending the Clover POS tare capability. The Clover Network’s model Station POS software version 1.0 - 1400 was interfaced with a non-computing scale; CAS USA, Corporation Model SW-RS (20 lb x 0.01 lb) NTEP CC Number 99-002. Numerous transactions were conducted utilizing the programable tare and keyboard tare that operates with and without the Appheaven Weigh & Pay PRO app. Tare weight entries were used to verify compliance for net weight transactions.

Certificate of Conformance Number 16-091: The emphasis of the evaluation was on device operation, interaction with the scale, marking requirements, and receipt format. The Clover POS software version 1.0 - 1285 was interfaced with a non-computing scale; CAS USA, Corporation Model SW-RS (20 lb x 0.01 lb) NTEP CC Number 99-002. Numerous transactions were conducted utilizing weighed items and items sold by count and rounding to the nearest cent. Tare weight entries were used to verify compliance for net weight transactions. Voids, credits, and power failure tests were performed. Mathematical price computations were checked using various weights and unit prices in lb, oz and kg units. Printed receipt formats were evaluated for compliance with current requirements.

Evaluated By: J. Roach (CA) 16-091, 16-091A2; M. Manheim (NCWM) 16-091A3; C. Reyes (CA) 16-091A4; M. Manheim (NCWM) 16-091A5; J. Gibson (OH) 16-091A6; B. Sipe (OH) 16-091A8 (CN: 10834), J. Gibson (NCWM) 16-091A9 (CN 10990)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2023 Edition. *NCWM Publication 14 Weighing Devices*, 2023 Edition.

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

Information Reviewed By: J. Truex (NCWM) 16-091, 16-091A1; D. Flocken (NCWM) 16-091A2, 16-091A3, 16-091A4, 16-091A5, 16-091A6, 16-091A7, 16-091A8, 16-091A9

Example(s) of Device:



Clover Network, Inc.

Point-Of-Sale (POS) System / C100, C300, C301, C302U, C305, C500, C501, C503 and C505



Figure 1. Example of the hard ID badges showing the required ID information for the model C503, Clover Station Pro.



Figure 2. Example of model(s) C100 and C500, Clover Station.



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Figure 3. Example of model(s) C300, C301, and C302U, Clover Mini.



Figure 4. Example of model C503, Clover Station Pro.



Figure 5. Example of model C501, Clover Station Solo.



Clover Network, Inc.

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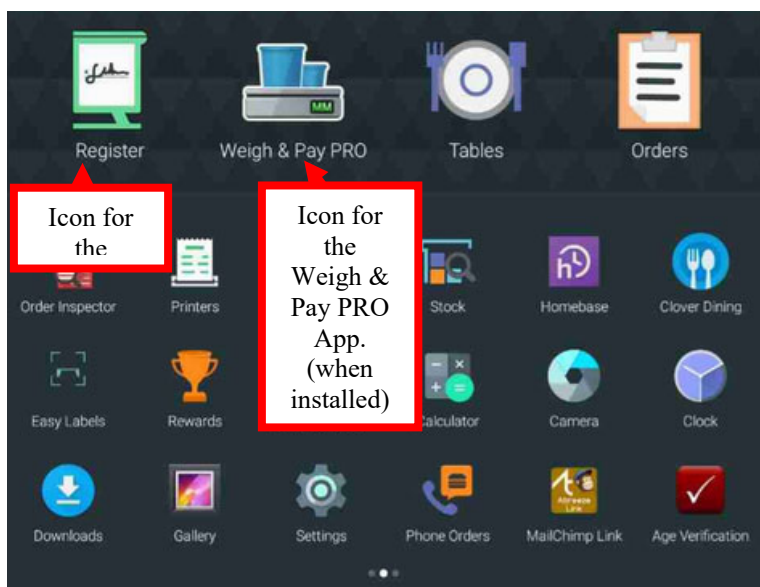


Figure 6. Screenshot of Clover POS system showing typical icons.

Figure 7. Example of model C305, Clover Mini Gen 3.



Example 8. Model C505

