

1280 Counting

Custom 1280 Program

Operation Manual



© Rice Lake Weighing Systems. All rights reserved.

Rice Lake Weighing Systems® is a registered trademark of
Rice Lake Weighing Systems.

All other brand or product names within this publication are trademarks or
registered trademarks of their respective companies.

All information contained within this publication is, to the best of our knowledge, complete and
accurate at the time of publication. Rice Lake Weighing Systems reserves the right to make
changes to the technology, features, specifications and design of the equipment without notice.

The most current version of this publication, software, firmware and all other product
updates can be found on our website:

www.ricelake.com

Revision History

This section tracks and describes manual revisions for awareness of major updates.

Revision	Date	Description
A	September 28, 2018	Initial release
B	August 16, 2024	Established revision history; updated menu

Table i. Revision Letter History



Technical training seminars are available through Rice Lake Weighing Systems. Course descriptions and dates can be viewed at www.ricelake.com/training or obtained by calling 715-234-9171 and asking for the training department.

Contents

1.0 Introduction	5
1.1 Overview	5
2.0 Operation	6
2.1 WeighVault Option Disabled	6
2.1.1 Enter Sample Size	6
2.1.2 Scale Select	6
2.1.3 Enter APW	6
2.1.4 Counting Pieces	6
2.2 WeighVault Option Enabled	7
2.2.1 Selecting a Part	7
2.2.2 Enter Sample Size	7
2.2.3 Scale Select	7
2.2.4 Enter APW	7
2.2.5 Counting Pieces	8
2.3 Serial Communications - Count Ticket	8
3.0 Application Setup & Configuration	9
3.1 Virtual Keypad	9
4.0 Database and Hardware	10
4.1 Database Tables	10
4.2 Hardware Setup	10
4.2.1 Option Card Location	10
4.2.2 1280 Screen Size/Type	10
4.2.3 Digital I/O	10
4.2.4 Serial Ports	10
4.2.5 Ethernet TCP/IP Port	11
4.2.6 USB Port	11
4.2.7 USB Type-A Port	11
4.2.8 SD Card Slot	11
4.2.9 Bluetooth Port	11



Rice Lake continually offers web-based video training on a growing selection of product-related topics at no cost. Visit www.ricelake.com/webinars

1.0 Introduction

This manual provides operation instructions for the 1280 counting custom program.



Manuals are available from Rice Lake Weighing Systems at www.ricelake.com/manuals

Warranty information is available at www.ricelake.com/warranties

1.1 Overview

The 1280 Counting custom program is included with the 1280 standard firmware and is loaded by importing the application from the Configuration menu **Import Files**.

2.0 Operation

The **Setup** icon is available on power-up.

2.1 WeighVault Option Disabled

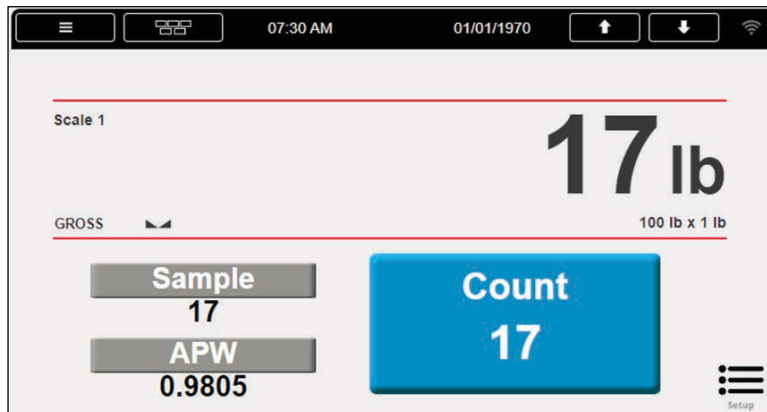


Figure 2-1. Counting Program

2.1.1 Enter Sample Size

1. Press **Sample**. System prompts **Enter Sample Size**.
2. Enter the size and press **ENTER** or **DONE**.
 - The Average Piece Weight (APW) is calculated based on the current weight, current scale and current sample size
 - The number of pieces display and is constantly updates as the weight or selected scale changes

2.1.2 Scale Select

Press **↑** **↓** to switch between scales. Typically two scales are available.

- Sampling (smaller capacity)
- Counting (larger capacity)

This application works the same for both scales. The piece count is always looking at the current scale displayed.

2.1.3 Enter APW

1. Press **APW**. System prompts **Enter Average Piece Weight**.
2. Enter the APW and press **ENTER** or **DONE**.

2.1.4 Counting Pieces

The number of pieces displays and is constantly updated as the weight, selected scale or selected mode changes. This includes adding or removing pieces, as well as going to a negative net as pieces are removed from a Net Zero weight.

*Example: Place full box on scale, press **TARE** to tare weight to net zero, and then count pieces removed.*

Pressing **PRINT** prints a ticket and stores the transaction.



NOTE: It is necessary to maintain the Transaction Database, records are not deleted when database is full. New transactions are not saved.

2.2 WeighVault Option Enabled

WeighVault for Counterpart is connected on TCP Client 1. The remote port number is 5466.

2.2.1 Selecting a Part

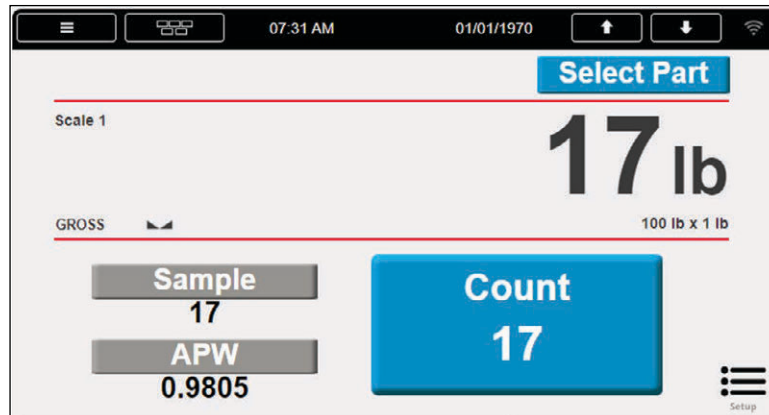


Figure 2-2. Select Part Display

1. Press **Select Part**. *Enter Product ID* prompt displays.
2. Enter the product ID and press **ENTER** or **DONE**.
 - A. System queries Counterpart WeighVault and performs one of the following:
 - i. **ID FOUND**: Updates the display with the recalled ID information (ID, Name, APW).
 - ii. **ID NOT FOUND**: Displays **ID NOT Found – Contact Office**.
 - iii. **ERROR RETRIEVING INFORMATION**: Displays **Error Retrieving Information**.
 - iv. **NO COMMUNICATION WITH WEIGHVAULT**: Displays **Network Problems – Contact Office**.
 - B. The number of pieces displays and constantly updates as the weight or scale selected changes.

2.2.2 Enter Sample Size

1. Press **Sample**. System prompts *Enter Sample Size*.
2. Enter the size and press **ENTER** or **DONE**.
 - The Average Piece Weight (APW) is calculated based on the current weight, current scale and current sample size
 - The number of pieces display and is constantly updates as the weight or selected scale changes

2.2.3 Scale Select

Press **↑** **↓** to switch between scales. Typically two scales are available. The piece count is always looking at the current scale displayed.


2.2.4 Enter APW

1. Press **APW**. System prompts *Enter Average Piece Weight*.
2. Enter the APW and press **ENTER** or **DONE**.

2.2.5 Counting Pieces

The number of pieces displays and constantly updates as the weight, selected scale or selected mode changes. This includes adding or removing pieces, as well as going to a negative net as pieces are removed from a Net Zero weight.

Example: Place full box on scale, press  to tare weight to net zero, and then count pieces removed.

Pressing  prints a ticket and sends information to WeighVault.



NOTE: The data is not stored to the local transaction database. System does not verify if the data was successfully sent to WeighVault.

2.3 Serial Communications - Count Ticket

The program uses the Auxiliary Print Format #1 so that the dealer may modify the print format through the front panel or by using Revolution PC software.

Gross:	10.25 lb
APW:	0.0055 lb
Pieces:	1864
08/23/2018 03:35 PM	

Figure 2-3. Count Ticket

3.0 Application Setup & Configuration

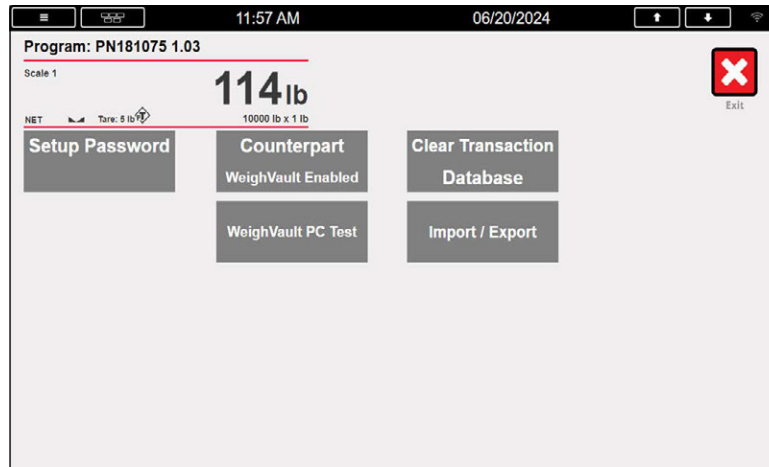


Figure 3-1. Setup Menu

Parameter	Default	Description
Setup Password	" "	Create a password that is required to enter the setup menu
Counterpart WeighVault	Disabled	Enabled/Disabled communication with Counterpart WeighVault
Clear Transaction Database	--	Clear the transaction or inbound database; select YES or NO
WeighVault PC Test	--	Test the communications with WeighVault
Import/Export	--	Allows operator to import products into the database table from a USB flash drive using a .DB file type; Allows operator to save transactions to a USB flash drive or an SD card; Reference the 1280 technical manual (PN 167659) Importing/Exporting section for more details

Table 3-1. Setup Menu Parameters

3.1 Virtual Keypad

Press the scale icon on the main menu to open a virtual keypad.

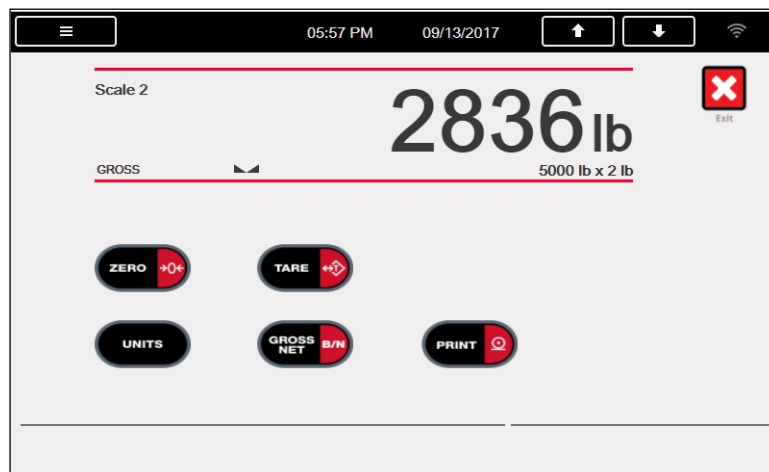



Figure 3-2. Virtual Keys Display

Press  to return to main display.

4.0 Database and Hardware

4.1 Database Tables

Field	Type	Description
APW	Real	Current average piece weight entered
Weight	Real	Actual weight at time of print
Pieces	Integer	Number of pieces calculated (Weight/APW)
DT	Datetime	Time and date of transaction

Table 4-1. Transaction Database if WeighVault Disabled (1000 Records)

4.2 Hardware Setup

4.2.1 Option Card Location

Slot	Type
1	Dual Channel A/D Card
2-6	Currently Not Used

Table 4-2. Option Card Locations

4.2.2 1280 Screen Size/Type

NIT	1280 Screen Size/Type (12" or 7.5")
500	7.5"
	12"

Table 4-3. 1280 Screen Size/Type

4.2.3 Digital I/O

Slot	Bit	Type	Function
0	1-8	Off	Currently Not Used

Table 4-4. Digital I/O

4.2.4 Serial Ports

Port	Type	Description	Setup
1	CMD	Printer	9600,8,N,2
2	CMD	Currently Not Used	9600,8,N,2

Table 4-5. Serial Port

4.2.5 Ethernet TCP/IP Port

Port	Type	Description	Setup
10001	CMD	Waits for connection from software/device i.e. Revolution or Interchange	TCP Server
10001	Programmability	WeighVault (if enabled)	TCP Client1
10002	CMD	Currently Not Used	TCP Client 2
3000	CMD	Web Server	Web Server

Table 4-6. Ethernet TCP/IP Port

4.2.6 USB Port

Port	Type	Description	Setup
3	CMD	Currently Not Used	-

Table 4-7. USB Device Port

4.2.7 USB Type-A Port

Port	Type	Description	Setup
-	CMD	Currently Not Used	-
-	CMD	Currently Not Used	-

Table 4-8. USB Type-A Port

4.2.8 SD Card Slot



NOTE: The SD Card is required.

Port	Type	Description	Setup
-	CMD	8GB Micro SD Card	Images
-	CMD	Currently Not Used	-

Table 4-9. SD Card Slot

4.2.9 Bluetooth Port

Port	Type	Description	Setup
4	CMD	Currently Not Used	-

Table 4-10. Bluetooth Port



© Rice Lake Weighing Systems Content subject to change without notice.

230 W. Coleman St. • Rice Lake, WI 54868 • USA USA: 800-472-6703 • International: +1-715-234-9171