

# 1280 Counting

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## Software User Guide



## Scope

The 1280 Counting application is included with the 1280 standard firmware and is loaded by importing the application from the Configuration menu “Import Files”. This application has two scales: System only supports PRIMARY units.

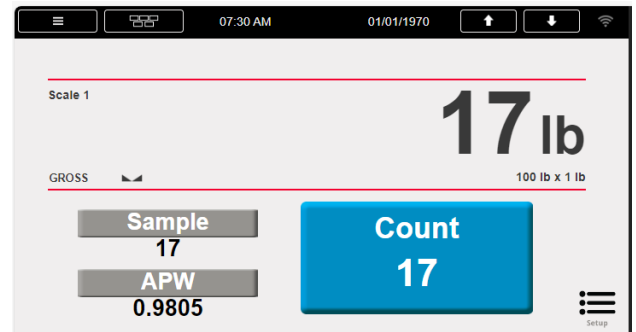
## Sequence of Operation

The touch widgets on powerup and exit configuration are **Sample**, **APW**, and **Setup**.



### WeighVault Option Disabled

#### Enter Sample Size

1. Operator presses the **Sample** touch widget.
2. System prompts – “Enter Sample Size”.
3. Operator enters the size and presses the **ENTER** key.
4. System calculates the APW based on the current weight, current scale, and current sample size.
5. The number of pieces will be displayed and is constantly updated as the weight or scale selected changes.



#### Scale Select

1. To switch between scales, press the   buttons.
2. There are two scales available. Typically, one is used for sampling (smaller capacity) and one is used for counting (larger capacity), but this application works the same for both scales, or if only one is used for everything. The piece count is always looking at the current scale displayed.

#### Enter APW

1. Operator presses the **APW** touch widget.
2. System prompts – “Enter Average Piece Weight”.
3. Operator enters the APW and presses the **ENTER** key.
4. Set Sample size to 0 and updates the display.

#### Counting Pieces

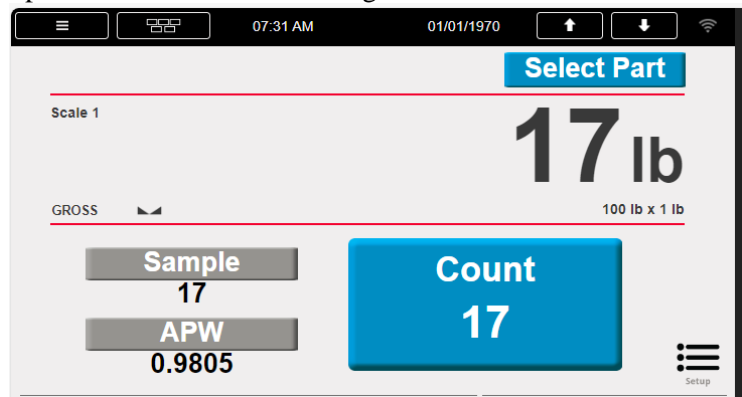
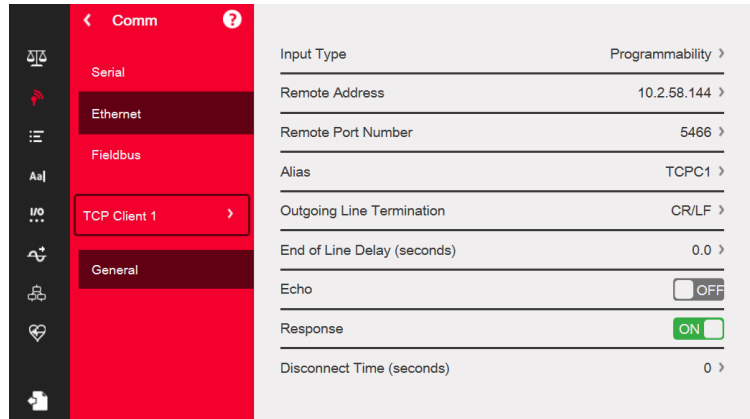
The number of pieces will be displayed and is constantly updated as the weight, scale selected, or mode selected changes. This includes adding pieces or removing pieces as well as going to a negative net as pieces are removed from a Net Zero weight. (example: place full box on scale, press TARE to tare off weight too net zero, and then count pieces removed). Pressing the **PRINT** key will print a ticket and store a transaction. *It is the operators responsibility to maintain the Transaction Database. The program does not delete if full.*

## WeighVault Option Enabled

WeighVault for Counterpart is connected on TCP Client 1. The Remote Port Number is 5466.

## Selecting a Part



1. Operator presses the **Select Part** touch widget.
2. System prompts – “Enter Part ID”.
3. Operator enters the product and presses the **ENTER** key.
4. System queries Counterpart WeighVault and performs one of the following:
  - a. ID FOUND
    - i. Updates the display with the recalled ID information (ID, Name, Average Piece Weight).
  - b. ID NOT FOUND
    - i. Displays – “ID NOT Found – Contact Office”
  - c. ERROR RETREIVING INFORMATION
    - i. Displays – “Error Retrieving Information”
  - d. NO COMMUNICATION WITH WEIGHVAULT
    - i. Displays – “Network Problems – Contact Office”
5. The number of pieces will be displayed and is constantly updated as the weight or scale selected changes.



## Enter Sample Size

1. Operator presses the **Sample** touch widget.
2. System prompts – “Enter Sample Size”.
3. Operator enters the size and presses the **ENTER** key.
4. System calculates the APW based on the current weight, current scale, and current sample size.
5. The number of pieces will be displayed and is constantly updated as the weight or scale selected changes.

## Scale Select

1. To switch between scales, press the   buttons.
2. There are two scales available. Typically, one is used for sampling (smaller capacity) and one is used for counting (larger capacity), but this application works the same for both scales, or if only one is used for everything. The piece count is always looking at the current scale displayed.

## Enter APW

1. Operator presses the **APW** touch widget.
2. System prompts – “Enter Average Piece Weight”.
3. Operator enters the APW and presses the **ENTER** key.
4. Set the sample size to 0 and updates the display.

## **Counting Pieces**

The number of pieces will be displayed and is constantly updated as the weight, scale selected, or mode selected changes. This includes adding pieces 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 off weight to net zero, and then count pieces removed). Pressing the **PRINT** key will print a ticket and sends information to WeighVault. *The data is NOT stored to the local transaction database. System does not verify if the data was successfully sent to WeighVault.*

## **Serial Communications – Tickets, PC**

### **Count Ticket (Auxfmt1)**

The program uses the Auxiliary Print Format #1 so that the dealer may modify the print format thru the 920i front panel or by using Revolution PC software.

User Strings	
User String 1 <US1>	Gross/Net Weight
User String 2 <US2>	APW
User String 3 <US3>	Pieces
User String 4 <US4>	Time
User String 5 <US5>	Date

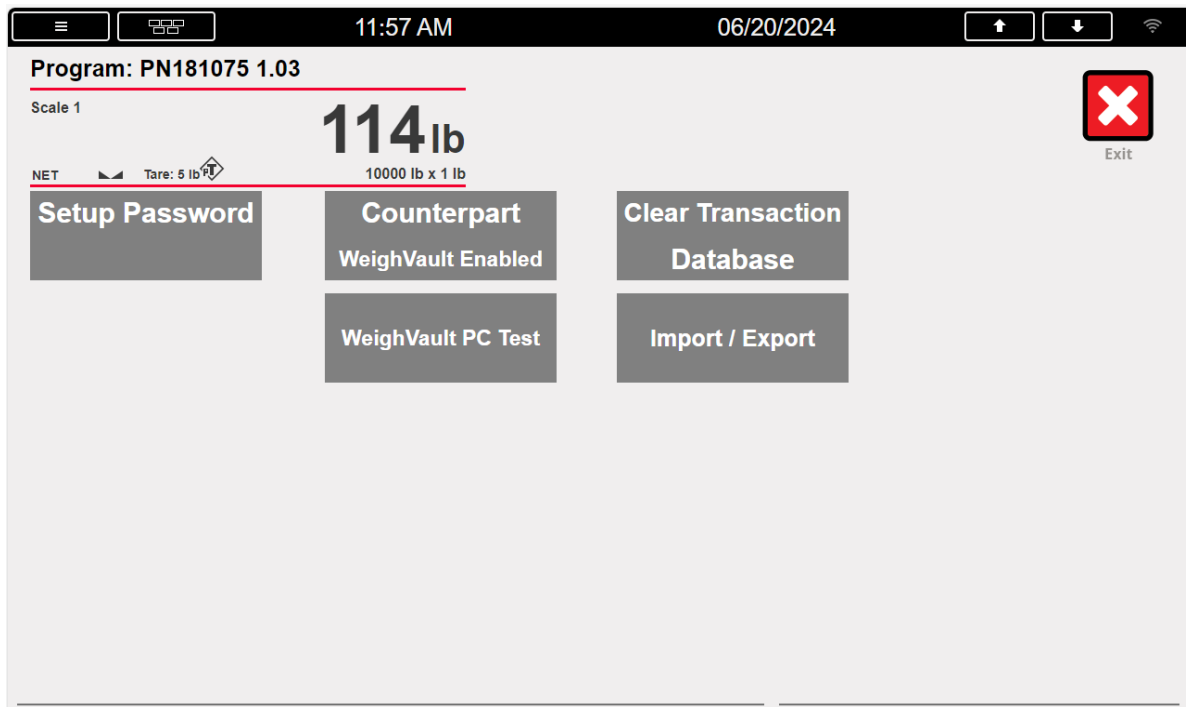
Gross: 10.25 lb  
APW: 0.0055 lb  
Pieces: 1864

1/1/2015 01:00 PM

## Application Setup & Configuration

The **Setup Menu** button is password-protected and offers access to the following:

- Display Program Name & Version
- Display a weight widget



Parameter	Default	Button	Description
System Password	""	Setup Password	Changing the password that is required for entry into the Setup menu. Setting the password to nothing will cause the system to not prompt for a password when the <b>[Setup Menu]</b> softkey is pressed.
Clear Transactions	-	Clear Trans	Allows the operator to clear the transaction database with Yes/No option.
Import/Export	-	Import/Export	Used to export database to micro SD or USB driver.
Counterpart Weigh Vault Option	Enabled/ <b>Disabled</b>	Counterpart WeighVault	Ability to enable and disable communication with Counterpart WeighVault.
Weigh Vault Communications Test	-	WeighVault PC Test	Test the communications with WeighVault.

## Database Tables

Transaction Database 1,000 (Only used if WeighVault Disabled)		
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)
TimeDate	Datetime	Time and date of transaction

## Hardware Setup

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

Digital I/O			
Slot	Bit	Type	Function
0	1-8	Off	Currently Not Used

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

## Version Changes

Version	Changes	Date	Firmware
1.00	<ul style="list-style-type: none"> <li>Initial Release</li> </ul>	3/1/2015	1.00
1.01	<ul style="list-style-type: none"> <li>Added WeighVault Option</li> <li>Added Import/Export option.</li> <li>Added Sample Size and APW touch buttons with WeighVault Disabled.</li> <li>Setup Menu touch buttons.</li> <li>Added Part button with WeighVault Enabled.</li> </ul>	12/06/2016	1.05
1.02	<ul style="list-style-type: none"> <li>Remove softkey</li> </ul>	05/15/2017	1.05
1.03	<ul style="list-style-type: none"> <li>Use Raw Counts instead of displayed weight</li> <li>Allow operator to change sample size when Weighvault is Enabled</li> <li>Allow operator to change APW when WeighVault is Enabled</li> <li>Add 12 in Rev File</li> <li>Update Screen</li> </ul>	06/17/2024	2.06
Download: <input checked="" type="checkbox"/> SC <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> TF <input checked="" type="checkbox"/> SP <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> DB <input checked="" type="checkbox"/> COD <b>SC</b> = Standard Configuration <b>N</b> = Network Configuraiton <b>TF</b> = Ticket Formats <b>SP</b> = Setpoints <b>W</b> = Widgets <b>DB</b> = Database Tables <b>COD</b> = Program			