1280 Checkweighing

Custom 1280 Program

Operation Manual

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RICE LAKE WEIGHING SYSTEMS

PN 192304

An ISO 9001 registered company

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1.0 Introduction

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

Manuals are available for viewing and/or downloading from the Rice Lake Weighing Systems website at www.ricelake.com/manuals

Warranty information can be found on the website at www.ricelake.com/warranties

1.1 Overview

The 1280 Checkweigher application is included with the 1280 standard firmware and is loaded by importing the application from the Configuration menu *Import Files*. This application is a static checkweigher with a stored low and high weight associated with an ID. A digital output is activated based on under, accept or over, and stores the ID, weight, status (under, accept, over), and time/date in a database.

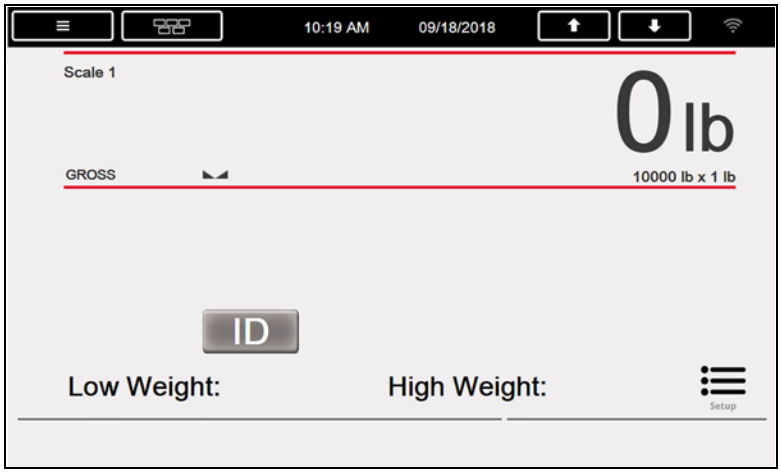

Figure 1-1. Main Menu

Press to open a virtual keypad. These keys perform the same actions as the front panel keys.

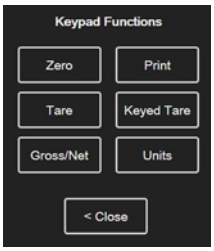

Figure 1-2. Virtual Keypad

2.0 Operation

2.1 Select ID

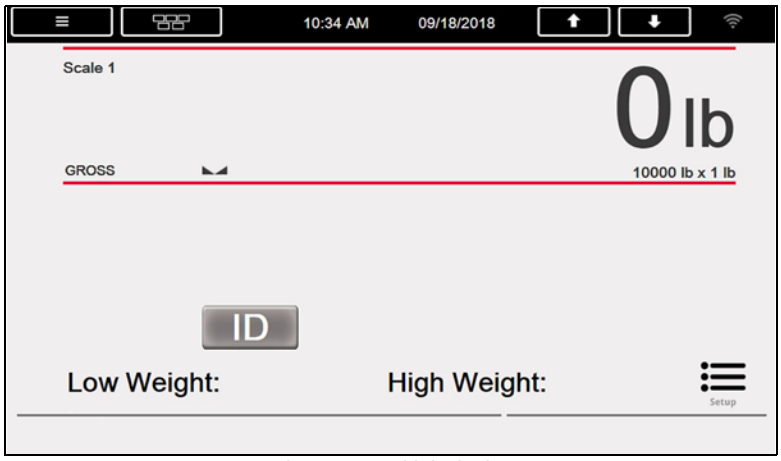

Figure 2-1. Initial Display

1. Press ID. *Enter ID to Checkweigh* prompt displays.
2. Enter the ID and press ENTER or DONE.
   A. System performs one of the following:
      i. *CW-90 WeighVault* is enabled.
         - System queries the CW-90 WeighVault over the Ethernet TCP/IP interface. One of the following displays:
           - ID Found – sets the *TARE* and updates the display with the ID information (ID, Description 1, Under Weight and Over Weight); the tare can be overridden but it does not reflect in the tare icon displayed
           - ID NOT Found – Contact Office is displayed
           - Error Retrieving Information is displayed
           - Network Problems – Contact Office is displayed
      ii. *CW-90 WeighVault* disabled
         - System queries the onboard part database table and performs one of the following:
           - ID Found – recalls the Name, Low and High values
           - ID Not Found – displays *ID NOT Found - Retry* and goes back to Step 2
   B. System waits for the threshold to be triggered.

2.2 Checkweigh

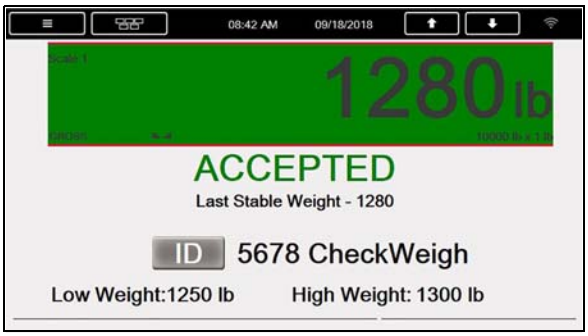

Figure 2-2. Accepted Display

1. Place a weight on the scale that exceeds the threshold weight. The indicator verifies the selected ID.
   A. If the weight is between low weight and high weight, *ACCEPT* displays and accept output is turned on.

Figure 2-3. Under Display

   B. If weight is less than low weight, *UNDER* is displayed and the under output is turned on.

Figure 2-4. Over Display

   C. If weight is greater than high weight, *OVER* is displayed and the over output is turned on.
   D. If weight is stable the weight is temporarily stored in a register and displayed on the screen.

Note *Press Print to print the current weight. The checkweighing process stops until the weight falls below the threshold weight.*

2. Remove the weight from the scale.
   A. Once the weight is under the threshold weight, one of the following takes place:
      i. If CW-90 WeighVault enabled; Information is sent 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.*

      ii. If CW-90 WeighVault disabled; a record is stored in the database with the ID, the weight, the status (U, A, O) and time/date.

Note *The Transaction Database needs to be closely maintained, records are not deleted when full.*

B. When the weight goes under the Threshold Weight the display status clears (the ID, Low and High values remain) and all digital outputs turn off.

C. If auto-print is enabled the indicator prints a ticket with the last stable weight.

2.3 Serial Communications - Ticket

The program uses the Auxiliary Print Format 1 so that the dealer may modify the print format through the 1280 front panel or by using Revolution software.

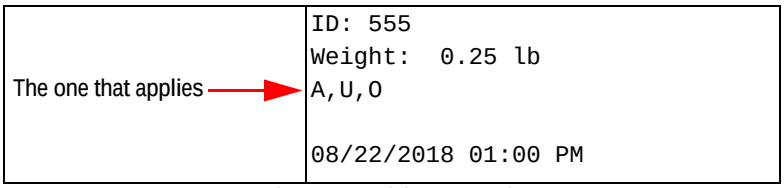

Figure 2-5. Ticket Example

3.0 Application Setup & Configuration

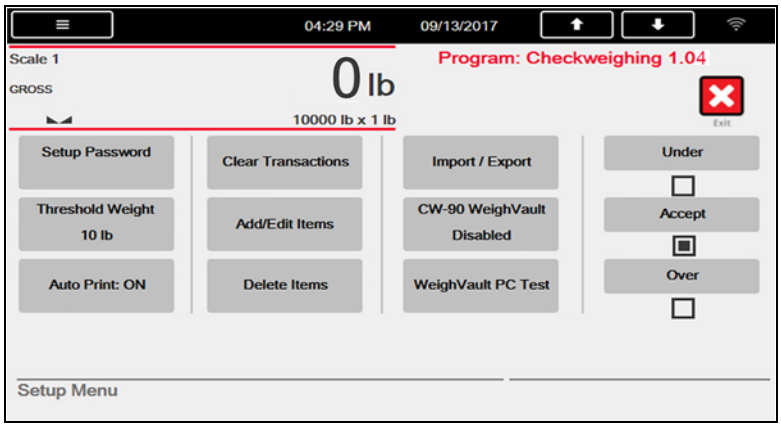

Figure 3-1. Setup Menu

Parameter	Default	Description
Setup Password	" "	Create a password that is required to enter the setup menu
Threshold Weight	10 lb	Weight that must be exceeded for the system to check that an ID is selected; if so, it waits for standstill before reading the weight and categorizing it based on Low and High weight; it is the same weight that when the weight goes below it clears out the last weighment information and turns off the output
Auto-Print	Enabled	Enabled/Disabled Auto Printing
Clear Transaction	--	Clear the transaction or inbound database; select YES or NO
Add/Edit Items	--	Add/Edit stored IDs with associated Low and High weight values
Delete Items	--	Delete stored IDs that are no longer used
Import/Export	--	Import products from a USB flash drive using a .DB file type; Export transactions to a USB flash drive or an SD card; reference the 1280 technical manual (PN 167659) Importing/Exporting section for more details
Digital IO Testing	--	Press icon to toggle the state (ON/OFF) of the Under, Accept and Over outputs
CW-90 WeighVault	Enable	Enable/Disable communication with CW-90 WeighVault
Weigh Vault PC Test	--	Test the communications with WeighVault

Table 3-1. Configuration Menu Prompts

4.0 Database and Hardware

4.1 Database Tables

Field	Type	Description
ID	String	Item ID
Name	String	Item Name
Low	Real	Low weight under weighment is marked UNDER
High	Real	HIgh weight above weighment is marked OVER

Table 4-1. Item Database, Only Used When WeighVault Disabled (100 Records)

Field	Type	Description
ItemID	String	Item ID
ItemName	String	Item Name
Weight	Real	Actual weight stored after standstill (Net Weight)
Status	String	U, A, or O based on weights vs Low and High stored weights
DT	DateTime	Time and date of transaction

Table 4-2. Transaction Database, Only Used When WeighVault Disabled (10,000 Records)

Note *The Transaction Database needs to be closely maintained, records are not deleted when full.*

4.2 Hardware Setup

4.2.1 Option Cards

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

Table 4-3. Option Card Locations

4.2.2 Digital I/O

Slot	Bit	Type	Function
0	1	Output	Under
0	2	Output	Accept
0	3	Output	Over
0	4-8	Off	Currently Not Used

Table 4-4. Digital I/O

4.2.3 Serial Ports

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

Table 4-5. Serial Port

4.2.4 USB Port

Port	Type	Description	Setup
3	CMD	Currently Not Used	-

Table 4-6. USB Device Port

4.2.5 USB Type-A Port

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

Table 4-7. USB Type-A Port

4.2.6 SD Card Slot

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

Table 4-8. SD Card Slot

4.2.7 Bluetooth Port

Port	Type	Description	Setup
4	CMD	Currently Not Used	-

Table 4-9. Bluetooth Port

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