

# Ishida Astra II

*Price Computing Scale With Printer*

## Operation Manual



*Bench Model*



*Pole Model*

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# 1.0 Introduction

This manual is intended to remain with the *Astra II* price computing scale once installation and configuration are complete.



Manuals are available for viewing and/or downloading from the Rice Lake Weighing Systems website at [www.ricelake.com/manuals](http://www.ricelake.com/manuals)

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## 1.1 Safety

### Safety Signal Definitions:



*Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. Includes hazards that are exposed when guards are removed.*



*Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death. Includes hazards that are exposed when guards are removed.*



*Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.*



*Indicates information about procedures that, if not observed, could result in damage to equipment or corruption to and loss of data.*

### General Safety



*Do not operate or work on this equipment unless this manual has been read and all instructions are understood. Failure to follow the instructions or heed the warnings could result in injury or death. Contact any Rice Lake Weighing Systems dealer for replacement manuals.*



*Failure to heed could result in serious injury or death.*

- Do not allow minors (children) or inexperienced persons to operate this unit.*
- Do not operate without all shields and guards in place.*
- Do not use for purposes other than weight taking.*
- Do not place fingers into slots or possible pinch points.*
- Do not use any load-bearing component that is worn beyond five percent of the original dimension.*
- Do not use this product if any of the components are cracked.*
- Do not exceed the rated load limit of the unit.*
- Do not make alterations or modifications to the unit.*
- Do not remove or obscure warning labels.*
- Before opening the unit, ensure the power cord is disconnected from the outlet.*
- Do not allow water or any liquids to come into contact with the scale.*
- Do not drop or apply shock to the scale.*
- Do not disassemble, modify or attempt to repair the scale.*
- Do not hold the connector cover when carrying the scale.*
- Do not hold the operation panel or weigh platter when carrying the scale.*
- Do not hold the customer display when carrying the scale.*
- Dispose of batteries according to local regulations.*
- Handle with care when removing or inserting the cassette.*



## 1.2 Overview

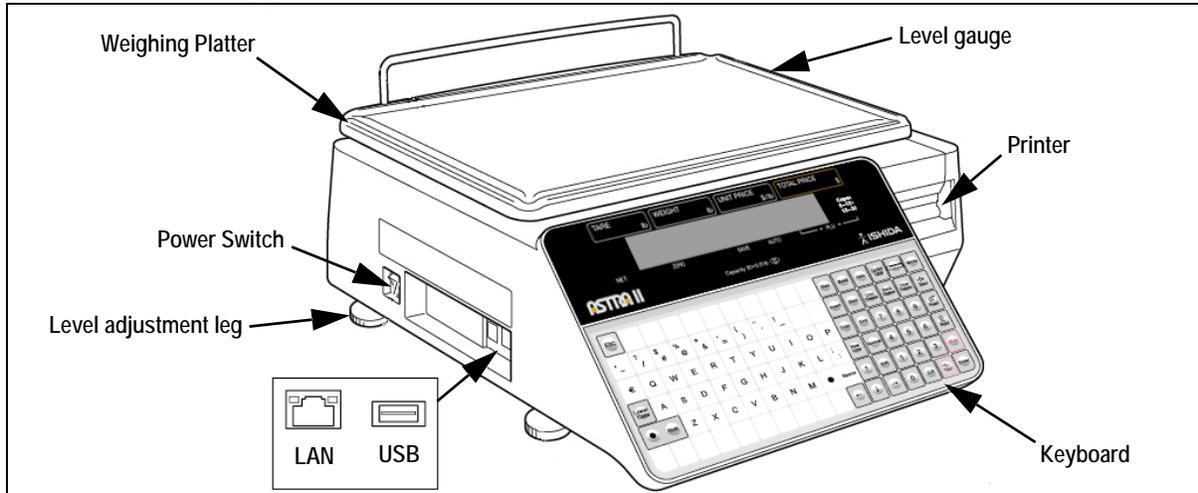


Figure 1-1. Astra II (Bench Model Pictured)

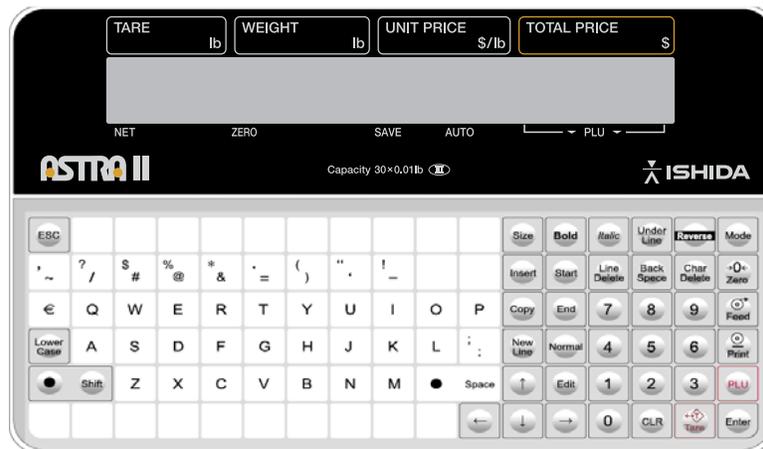


Figure 1-2. Operation Panel

Key	Description	Key	Description
	Used to delete an entered numerical value.		Used to call Menu Select display.
	Used to call a registered product data.		Used to move left.
	Used to feed labels.		Used to move right.
	Used to issue a label.		Used to move up.
	Used to enter tare weight.		Used to move down.
	Used to reset a weight to zero.		Used to escape from the current mode.

Table 1-1. Function Keys

### 1.3 Dimensions

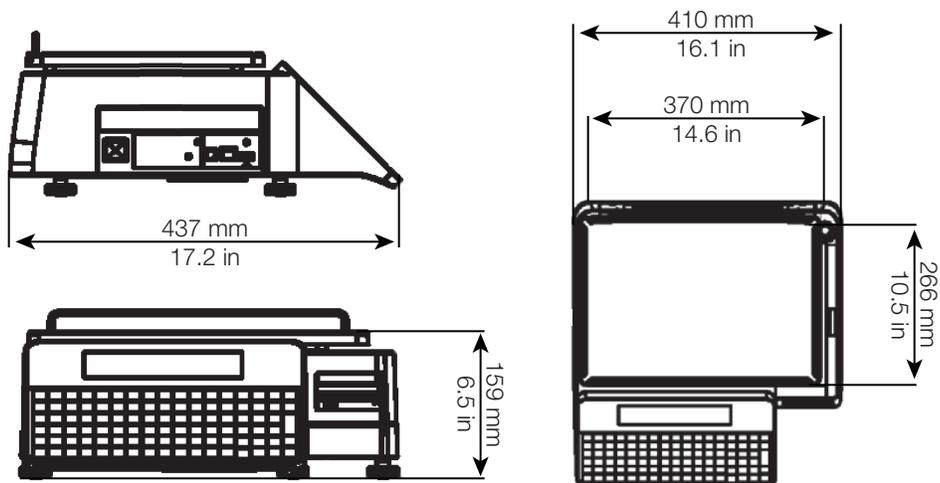


Figure 1-3. Astra II Dimensions for Bench Type

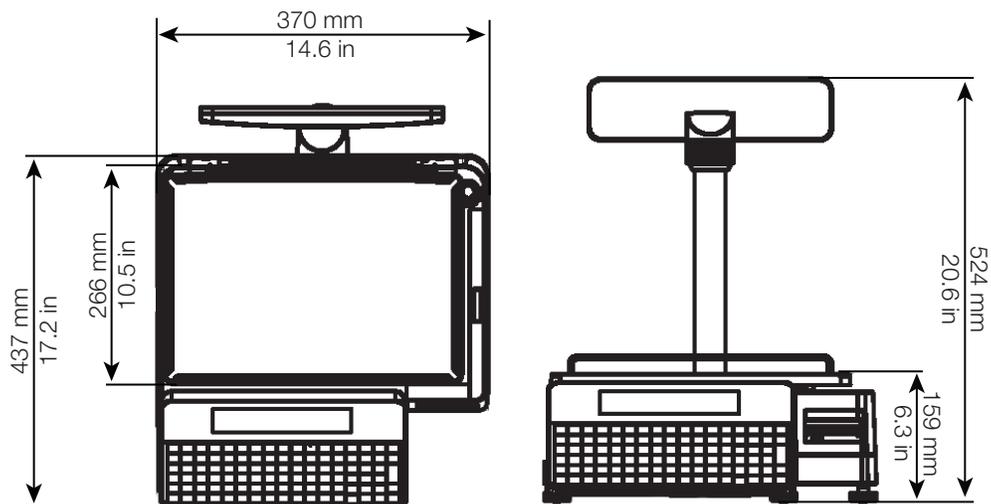
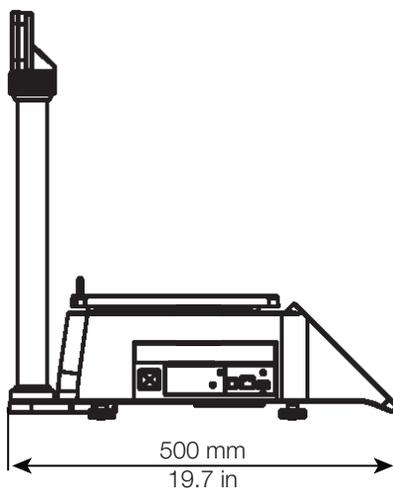


Figure 1-4. Astra II Dimensions for Pole Type



## 1.4 Menu Navigation

To enter a mode, enter the corresponding number and press the **Mode** key. To exit any mode, press the **Mode** key.

- Use the **Up** and **Down** arrow keys to select a parameter within a menu.
- Press the **Enter** key to enter a parameter.
- Use the **Up** and **Down** arrow keys to scroll through the menu options.
- Use the **Left** and **Right** arrow keys to scroll through the choices of each parameter.
- Enter the choice number and press **Enter** to select the desired choice.



**Note** All menu options may not be available depending on what settings are selected.

Setup 6000		Adjustment 4000		Operation 2000		Total 8000		Program 9000	
B01	Machine No.(comms)	C01	Date / Time	S01	Sales	F05	Product Daily Total	P01	PLU
B02	Sales Mode	C03	Display Check	S06	Total Adjust	F06	Product Weekly Total	P02	Campaign
B03	Password	C05	Firmware Details			F07	Product Cumulative Total	P04	Preset Keys
B05	Data Storage					F12	Total Clear	P05	Ad Message
B07	PLU Overwrite							P06	Store
B08	PLU Initial Data							P07	Department
								P08	Group
								P09	Cooking Time
								P10	Nutrition
								P11	Extra Message 1
								P12	Extra Message 2
								P13	Extra Message 3
								P19	Lookup Table
								P21	Fix Price Symbol
								P37	Check Label
								P40	Price Change

Table 1-2. Menu Navigation



## 1.5 Quick Setup

### 1.5.1 Set the Time and Date

Use the following steps to set the time and date.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **4000** then press **Mode**. *< C00 ADJUST >* displays.
3. Press the **Down Arrow**. *C01 DATE TIME* displays.
4. Press **Enter**. *C01-01 DATE* displays along with current set date.
5. Enter the date in a MMDDYYYY format.  
*Example: For June 21, 2015, enter 06212015.*
6. Press **Enter** twice. *C01-02 TIME* displays along with current set time.
7. Enter the time in a HHMMSS format.  
*Example: For 1:10:00 pm, enter 131000 (time is entered in 24 hour format).*
8. Press **Enter** twice. *C01-04 JULIAN DATE* displays.
9. Press **Mode**. *1801-0000 ENT OR CLR* displays.
10. Press **Enter**. *C01 DATE TIME* displays.
11. Press **Mode** twice to exit Adjustment Mode. Scale is ready to resume operation.

### 1.5.2 Program Store Address

Use the following steps to enter store information.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **9000** then press **Mode**. *< P00 PROGRAM >* displays.
3. Press **6** then press **Enter**. *P06 STORE* displays.
4. Press **Enter**. *P06-00 no.XXXX* displays.
5. Enter Store Number then press **PLU**. *13001-0000 ENT OR CLR* displays.



#### Note

*If store information has been programmed, it will display. If necessary, store information may be edited by pressing Edit. To delete any existing text, press Line Delete.*

6. Press **Enter**. *INP 0001-0000 00* displays.
7. Type the store name then press **Enter**. *19001-0000 ENT OR CLR* displays.
8. Press **Enter**. *P06-00 NO. XXXX* displays.
9. Press **2** then press **Enter**. *P06-02 ADDRESS* displays.
10. Press **Edit**. *INP 0001-0000 00* displays.
11. Type the store address then press **Enter**. *19001-0000 ENT OR CLR* displays.



#### Note

*See [Section 5.2 on page 28](#) for text editing information.*

12. Press **Enter**. *P06-00 NO. XXXX* displays.
13. Press **4** then press **Enter**. *P06-04 PRINTER1* displays.
14. Enter Store Number used in step 5. Press **Enter** twice to assign programmed store. *P06-00 NO. XXXX* displays.
15. Press **Mode** three times to exit the Program Mode. Scale is ready to resume operation.



### 1.5.3 Program Price Changes

Use the following steps to change prices for existing items.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **9000** then press **Mode**. < P00 Program > displays.
3. Press **40** then press **Enter** twice. P40-00 PLU displays.
4. Enter the PLU number to be changed, then press **PLU**.
5. Enter the new price and press **Enter**. The new price and the old price are displayed.
6. Repeat steps 4 - 5 until all price changes have been made.
7. Press **Mode** three times to exit Program Mode. Scale is ready to resume operation.

### 1.5.4 Set Preset Speed Keys

Use the following steps to set up preset speed keys and function keys.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **9000** then press **Mode**. < P00 PROGRAM > displays.
3. Press **4** then press the **Down Arrow**. P04 PRESET KEY displays.
4. Press **Enter**. P04-01 000 0 displays.
5. Enter the appropriate Key Flag No. from Table 1-3, then press the **PLU** key.
6. If the key type requires a specific value such as PLU No. or Tare, enter the number. Otherwise, enter **0**.



**Note** To add a new PLU, see [Section 4.1, P01-PLU Data, on page 17](#).

7. Press desired speed key. The Key Flag No., key position number and key data value display.
8. Repeat steps 5-7 for all preset speed keys.
9. Press **Mode** three times to exit Program Mode. Scale is ready to resume operation.

Key Flag No.	Parameter
1	PLU
2	TARE
3	FIXED PRICE
4	X MULTIPLY
8	SAVE
11	COUPON MSG
16	EXTRA MSG 1
17	EXTRA MSG 2

Key Flag No.	Parameter
18	EXTRA MSG 3
22	LABEL FORMAT
23	IMAGE 1
24	IMAGE 2
26	PEEL MODE
32	UNIT PRICE
33	PACK DATE

Key Flag No.	Parameter
34	SELL BY DATE
75	AUTO/MANUAL MODE
137	PRINT QTY
156	LOWER PRESET
162	ENTER FIXED WEIGHT

Table 1-3. Common Key Flag Parameters



**Note** For a complete list of preset keys, see [Section 4.3, P04-Preset Key Registration, on page 20](#). Several preset keys are set by default. See [Section 4.3.1, Default Preset Keys, on page 21](#).



### 1.5.5 Set IP Address of the Scale

Use the following steps to set IP address of the scale.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **6000** then press **Mode**. *< B00 SETUP >* displays.
3. Press **1** then press **Enter** twice. *B01-02 < IP ADDR >* displays.
4. Press **Enter**. *B01-02-01* displays along with current set IP address.
5. Enter the 12 digit IP address, then press **Enter**. *B01-02-01* displays along with newly set IP address.

*Example: enter 192168004025 for 192.168.4.25*



**Note** Use leading zeros and omit the decimals.

6. Press the **Down Arrow**. *B01-02-02* displays.
7. Enter the 12 digit Subnet Mask then press **Enter**. *B01-02-02* displays.  
*Example: enter 255255255000 for 255.255.255.0*
8. Press **Mode**. *14034-0000 ENT OR CLR* displays.
9. Press **Enter**. *15029-0001* displays.
10. Power off the scale. Wait 10 seconds before proceeding.
11. Power on the scale. After rebooting, the current set date and time displays.
12. Press **Enter**. Scale is ready to resume operation.

### 1.5.6 Set the IP Address of the PC

Use the following steps to set the IP address of the PC. This is the target address for a ping test.

1. Remove the Speed Key Insert page if in use over the keys.
2. Enter **6000** then press **Mode**. *< B00 SETUP >* displays.
3. Press **Enter** twice. *B01-02 < IP ADDR >* displays.
4. Press the **Right Arrow**. *B01-03 < PC COM >* displays.
5. Press the **Down Arrow**. *B01-03-01* displays along with current set PC IP address.
6. Enter the 12 digit PC IP address then press **Enter**. *B01-03-01* and newly entered IP Address displays.
7. Press the **Down Arrow** twice. *B01-03-03 COM CHK* displays.
8. Enter a number between 30 and 9999. Press **Enter**. *B01-03-03 COM CHK* and entered number displays.



**Note** A value of 600 is recommended.

9. Press **8** then press **Down Arrow**. *B01-03-08 PING TO PC* displays.
10. Press **Zero** to execute PING to test connection to PC. If ping is successful, there will be one long beep. If ping is unsuccessful, there will be five short beeps.
11. Press **Mode**. *14034-0000 ENT OR CLR* displays.
12. Press **Enter**. *15029-0001* displays.
13. Power off the scale. Wait 10 seconds before proceeding.
14. Power on the scale. After rebooting, the current set date and time displays.
15. Press **Enter**. Scale is ready to resume operation.



## 2.0 Setup Mode

Enter **6000** and press the **Mode** key to enter the Setup mode menu. To exit the Setup mode, press the **Mode** key.

The Setup Mode for this device includes the following parameters:

- B01 - Machine No. (Comms)
- B02 - Sales Mode
- B03 - Password
- B05 - Data Storage
- B07 - PLU Overwrite
- B08 - PLU Initial Data

Use the **Up** and **Down** arrow keys to select a parameter within the Setup menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

### Example:

1. Enter **6000** and press the **Mode** key to enter the main menu in the Setup mode.

```
( B00 SETUP )
```

2. Press the **Down Arrow** three times to scroll to *B03 PASSWORD*.

```
B03 PASSWORD
```

3. Press **Enter**. *B03-01 PSWD* displays.

```
B03-01 PSWD 000000 }ZR
```

4. Key in a 6-digit password and then press the **Zero** key to save the password.

*Example: Key in 001234 and then press the Zero key.*

```
B03-01 PSWD 00 001234
```

```
B03-01 PSWD ----- }ZR
```



**Note** To change the password key in a new 6-digit number and press the **Zero** key to save.

5. Press the **Down Arrow** to scroll through menu steps that can be password protected. See [Section 2.3 on page 10](#).
6. Press the **Mode** key three times to resume operation.



## 2.1 B01-Machine Number

Configure Ethernet communication settings.

Parameter	Display	Description	Choices
B01-02 IP ADDR	B01-02-01	Enter the IP address of the scale. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-02-02 Subnet Mask	Enter the subnet mask of the scale. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-03-08 PING TO PC	Press the <b>Zero</b> key to execute the PING in order to test the connection to the PC. A long beep = success. Five short beeps = failure.	--
B01-03 PC COM	B01-03-01	Enter the target address when executing a PING. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-03-02 PORT NO	PC port number used for communication. Do not change.	<b>8071</b>
	B01-03-03 COM CHK	COM check time (seconds). 600 Recommended.	30-9999 (0)
	B01-03-04 TIME OUT	COM check time out (seconds). Do not change.	2
	B01-03-05 FTP USER	Enter user name for FTP transmission. Press <b>Edit</b> and enter character string edit.	--
	B01-03-06 FTP PASS	Enter password (more than 8 characters) for FTP transmission. Press <b>Edit</b> and enter character string - number and letters, no special characters.	--
	B01-03-08 PING TO PC	Press the <b>Zero</b> key to execute the PING in order to test the connection to the PC. A long beep = success. Five short beeps = failure.	--

Table 2-1. B01 Machine Number Parameters

## 2.2 B02-Sales Mode

Parameter	Display	Description	Choices
B02-01 SALES MODE	B02-01 SALES MODE	Fixed at 1.	1: NO OPERATOR Issue labels using the <b>Print</b> key.

Table 2-2. B02 Sales Mode Parameters

## 2.3 B03-Password

Set a password and specify which open menu steps are protected. It is strongly recommended all setup menu items (40xx) be protected.

Parameter	Display	Description	Choices
B03-01 PSWD	B03-01 PSWD 000000	Specify the password that will be used for all the items listed in Table 2-4. Enter a password then press the <b>Zero</b> key. If it is less than 6-digits, enter leading zeros. <i>Example: 001234.</i>	--

Table 2-3. B03 Password Parameters

Use the arrow keys to select a menu in which the password set in B03-01 is used. Press 1 to require a password or 2 when a password is not required and then press the Enter key.



**Note** Some menus are not displayed depending on the setting.

1002	TTL ADJ (S06)
2001	SLS D TTL
2002	SLS W TTL
2003	SLS C TTL
2005	P D TTL (F05)
2006	P W TTL (F06)
2007	P C TTL (F07)
2010	TTL CLR (F12)

3001	PLU (P01)
3002	CAMPAIGN (P02)
3004	PRST KEY (P04)
3005	AD MSG. (P05)
3003	STORE (P06)
3012	DEPT. (P07)
3013	GROUP (P08)
3019	COOK TIME (P09)
3007	NUTRITION (P10)

3008	XTRA MSG1 (P11)
3009	XTRA MSG2 (P12)
3010	XTRA MSG3 (P13)
3018	LukUP TBL (P19)
3035	F/P SYM (P21)
3015	CHK LBL (P37)
3041	PRICE CHNG (P40)

4002	M/C No. (B01)
4001	SLS MODE (B02)
4003	PASSWORD (B03)
4005	DATA STOR. (B05)
4006	PLU OVR (B07)
4007	PLU IDATA (B08)
5001	DATE TIME (C01)
5003	DISP.CHK (C03)
5005	FIRM DETL (C05)

Table 2-4. B03 Password Menu Options



## 2.4 B05-Data Storage

Configure settings to store total data for standard operation.

Parameter	Display	Description	Choices
B05-01 TOTAL ADD.	B05-01-01 DAILY TOTAL	Select if the Daily Total accumulator is enabled.	1: NON ADD 2: ADD
	B05-01-02 WEEKLY TOTAL	Select if the Weekly Total accumulator is enabled.	
	B05-01-03 CUM. TOTAL	Select if the Cumulative Total accumulator is enabled.	
	B05-01-04 TIME TOTAL	Select if the Hourly Total accumulator is enabled.	
	B05-01-05 OPER. TOTAL	Not supported.	
	B05-01-09 CR PRO. TOTAL	Not supported.	
	B05-01-10 REWRAP TOTAL	Select if the Rewrap Total accumulator is enabled.	
	B05-01-11 POS Fn TOTAL	Not supported.	

Table 2-5. B05 Data Storage Parameters

## 2.5 B07-PLU Overwrite

Specify how temporary changes made by the operator are processed. A selection of "Yes" will overwrite the original setting in the PLU.

Parameter	Display	Description	Choices
B07 PLU OVERWRITE	B07-01 UNIT PRICE:F/P	Select if a price change is saved.	1: YES 2: NO
	B07-02 MD MODE:AMT	Select if a markdown is saved.	
	B07-03 UNIT TYPE:QTY	Select if a change of the number of pieces is saved.	
	B07-04 FIXED WEIGHT	Select if a change of fixed bakery weight is saved.	
	B07-05 PACK DATE/TIME	Select if a pack date or pack time change is saved.	
	B07-06 SELL BY D/T	Select if a sell by date or sell by time change is saved.	
	B07-08 TARE	Select if a tare weight change is saved.	
	B07-09 — B07-11 EXTRA MSG. 1-3	Select if a different extra message is linked to the PLU.	
	B07-13 COUPON MSG.	Not supported.	
	B07-14 POP MSG.	Not supported.	
	B07-15 — B07-29 FREE MSG. 1-15	Not supported.	
	B07-30 — B07-32 IMAGE 1-3	Select if a different logo image is linked to the PLU.	
	B07-34 SH. IMAGE FLAG	Select if a change to the safe handling image print status is saved.	
	B07-35 1st LBL FMT No.	Not supported.	
	B07-36 2nd LBL FMT No.	Not supported.	
	B07-38 TARGET	Select if a different target value is assigned to the PLU.	
	B07-43 USE BY DATE	Select if a use by date change is saved.	

Table 2-6. B07 PLU Overwrite Parameters

## 2.6 B08-PLU Initial Data

Specify the default values for any new PLU. When a new PLU is programmed the initial data automatically populates the fields. This speeds up PLU programming by setting the customer's standard values. The initial data values can be changed as needed during PLU programming.

Parameter	Display	Description	Choices	
P01-01 SALE1	P01-01-01 SALES	Enter the mode number. Press <b>Enter</b> to select a desired sales mode.	<b>0: WEIGHT</b> 1: FIX PRICE 2: WGT+F.P.	
	P01-01-02 MD MODE	Enter the mode number. Press <b>Enter</b> to select a desired markdown mode.	<b>0: NORMAL</b> 1: SPECIAL 2: -\$ 3: -% 4: SPEC. U/P 5: U/P -\$ 6: U/P -%	
	P01-01-03 OPEN PRICE	Enter the mode number. Press <b>Enter</b> to select whether or not to allow an open price system.	<b>0: YES</b> 1: NO	
	P01-01-04 PRICE	Enter the unit or fixed price. Press <b>Enter</b> .	<b>0.00 - 999.99</b>	
	P01-01-05 Markdown Amount	Not available when B08-01-02 Markdown Mode is set to 0:NORMAL.	<b>0.0 - 99.9 (%)</b> <b>0.00 - 999.99 (\$)</b>	
	P01-01-06 Quantity	Only available when B08-01-01 Sales Mode is set to 1: Fix Price or 2: WGT F/PRI.	<b>0 - 999</b>	
	P01-01-07 Unit Type	Only available when B08-01-01 Sales Mode is set to 1: Fix Price or 2: WGT F/PRI.	<b>0 - 16</b>	
	P01-01-09 Fixed Weight	Only available when B08-01-01 Sales Mode is set to 1: Fix Price.	<b>0 - 999</b>	
	P01-01-10 TARE	Enter tare weight. Press <b>Enter</b> .	<b>0.00 - 9.99 (lb)</b>	
	P01-01-12 P TARE	Enter a percent tare. Only available when B08-01-01 Sales Mode is set to 0: NORMAL or 2: WGT F/PRI.	<b>0.0 - 50.0</b>	
	P01-01-13 FORCED TARE	Enter the mode number. Press <b>Enter</b> to select whether or not a tare weight is required to print a label.	<b>1: YES</b> 2: NO	
	P01-01-14 LO WGT	Enter the lower weight limit. Press <b>Enter</b> .	<b>0.00 - 30.00 (lb)</b>	
	P01-01-15 UP WGT	Enter the upper weight limit. Press <b>Enter</b> .	<b>0.00 - 30.00 (lb)</b>	
	P01-02 SALE2	P01-02-06 POINT FLAG	Not supported.	--
		P01-02-07 POINT TYPE	Not supported.	--
P01-02-08 POINTS		Not supported.	--	
P01-03 MSG.	P01-03-01 NUT.	Enter the nutrition message number. Nutrition facts programmed through the ScaleLink Pro 5 Lite Maintenance Utility software.	<b>0 - 999999</b>	
	P01-03-02 — P01-03-04 MSSG1-3	Enter the extra message number. Extra messages programmed in the P11 Extra Message Program Menu.	<b>0 - 999999</b>	
	P01-03-07 COOK	Enter the cooking time message. Cooking time programmed in the P09 Cook Time Program Menu.	<b>0 - 9999</b>	
P01-04 IMAGE	P01-04-01 — P01-04-03 IMAGE 1-3	Enter the number of the logo image that will print on the label. Press <b>Enter</b> . The label format must be configured to support variable images.	<b>0 - 999</b>	
	P01-04-05 S H IMG	Leave at 0. The SH image is specified in the label format.	<b>0 - 999</b>	
	P01-04-06 S H IMG PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the Safe Handling Image.	<b>1: NO PRINT</b> 2: PRINT	

Table 2-7. B08 PLU Initial Data Parameters



Parameter	Display	Description	Choices
P01-06 DATE	P01-06-01 P/D PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the pack date.	1: YES 2: NO
	P01-06-02 PK TIME PRN	Enter the mode number. Press <b>Enter</b> to select the desired pack time printing method.	0: NO PRINT 1: DESIGNATE 2: CLOCK
	P01-06-04 SB DATE PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the sell by date.	1: YES 2: NO
	P01-06-05 SB TIME PRN	Enter the mode number. Press <b>Enter</b> to select the desired sell by time printing method.	0: NO PRINT 1: DESIGNATE 2: RELATIVE
	P01-06-06 SB TIME	Enter the designated time or number of minutes and press <b>Enter</b> . Data format is based on B08-06-05 Sell By Time Print setting.	00:00-23:59 (Designate)  0-1439 (Relative [min])
	P01-06-07 SHELF LF	Enter the number of days and press <b>Enter</b> .	0 - 9999 (1)
	P01-06-08 DATE PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the use by date.	1: YES 2: NO
P01-07 CODE	P01-07-01 CODE	Enter an item code. Press <b>Enter</b> .	0 - 99999999
	P01-07-02 REGI.CODE	Enter the register code. Press <b>Enter</b> .	0 - 9999
	P01-07-04	Enter a barcode number. Press <b>Enter</b> .	0 - 99999999999999
	P01-07-08 TRACE EN	Enter the mode number. Press <b>Enter</b> to select whether or not to enable traceability data.	1: YES 2: NO
	P01-07-10 DEPT	Enter desired department number. Press <b>Enter</b> .	0 - 9 (0)
	P01-07-11 GROUP NO	Enter desired group number. Press <b>Enter</b> .	0 - 99 (00)
	P01-07-12 FMI AI	--	0 - 19 (0)
P01-07-13 FMI NoAI	--	0 - 21 (0)	
P01-08 LINK	P01-08-01 PLU.NO.	Not supported.	--

Table 2-7. B08 PLU Initial Data Parameters (Continued)

## 3.0 Adjustment Mode

Enter **4000** and press **Mode** to enter the Adjustment mode menu. To exit the Adjustment mode, press **Mode**.

The Adjustment Mode for this device includes the following parameters:

- C01 Date Time
- C03 Display Check
- C05 Firmware Details

Use the **Up** and **Down** arrow keys to select a parameter within the Adjustment menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

### Example:

1. Enter **4000** and press the **Mode** key to enter the main menu in the Adjustment mode.

2. Press the **Down Arrow** three times to scroll to *C05 FIRMWARE DETAILS*.

3. Press **Enter**. *B05-01 SOFTWARE* displays.

4. Press the **Down Arrow** to scroll through other firmware details or press the **Mode** key three times to resume operation.

### 3.1 C01-Date Time

Adjusts date and time of *Astra II*'s internal clock.

Display	Description	Choices
C01-01 DATE	To adjust the date, enter the date in the format MMDDYYYY (Month+Day+Year). Press <b>Enter</b> to store data.	MMDDYYYY
C01-02 TIME	To adjust the time, enter the time in the format HHMMSS (Hour:Minute:Second). Press <b>Enter</b> to store the data. Time is entered in a 24-hour format. <i>Example: 3:47:00 pm is entered as 154700.</i>	HHMMSS
C01-04 JULIAN	The Julian date is the number of days since January 1st. This step displays the Julian date - it is not possible to change it. Display format: DDD-YYYY.	--

Table 3-1. C01 Date Time Parameters

### 3.2 C03-Display Check

Displays all the digits of the vacuum fluorescent display simultaneously. Press the **Mode** key to exit.

Figure 3-1. Examples of Display During Lighting Check

### 3.3 C05-Firmware Details

Displays the program number and version of the firmware in the following format:

Example: B0785C

B\*\*\*\*# or C\*\*\*\*#.

B: Standard Program Code

C: Option Program Code

\*\*\*\*: Base Program four-digit number

#: Version Mark



**Note**

To avoid confusion, some letters, such as I, O and Q, are not available for the version mark.

Press **Mode** to exit.

Display	Description	Choices
C05-01 SOFTWARE	Displays the program number and version of the title software.	--
C05-02 MAIN	Displays the program number and version of the main software.	--
C05-03 OS	Displays the program number and version of the operating system.	--
C05-04 BOOT ROM	Displays the program number and version of the Boot ROM.	--
C05-06 SCALE DRI.	Displays the program number and version of the A/D Driver.	--
C05-07 UPDATER	Displays the program number and version of the Updater ROM.	--

Table 3-2. C05 Firmware Details Parameters



## 4.0 Program Mode

Enter **9000** and press the **Mode** key to enter the main menu in the Program mode. To exit the program mode, press the **Mode** key.

The Program Mode for this device includes the following parameters:

- P01 PLU
- P02 Campaign
- P04 Preset Key
- P05 Ad Msg.
- P06 Store
- P07 Department
- P08 Group
- P09 Cooking Time
- P10 Nutrition
- P11 Extra Msg. 1
- P12 Extra Msg. 2
- P13 Extra Msg. 3
- P19 Lookup Table
- P21 Fix Price Symbol
- P37 Check Label
- P40 Price Change

Use the **Up** and **Down** arrow keys to select a parameter within the Program menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

### Example:

1. Enter **9000** and press the **Mode** key to enter the main menu in the Program mode.

```
( P00 PROGRAM )
```

2. Press the **Down Arrow** three times to scroll to **P04 PRESET KEY**.

```
P04 PRESET KEY
```

3. Press **Enter**. **P04-01** displays.

```
P04-01 000 0 000
```

4. Press **PLU** to scroll through the list of functions. If the function number is known, key in the number and press **PLU**. See [Section 4.3 on page 20](#) for function key flag numbers.

*Example: To select a PLU (flag 1), key in 1 on the numeric keyboard and press **PLU**.*

```
P04-01 000 72 1
```

```
P04-01 001 72 0
```

5. If the function includes data, enter the value and then press the desired preset key.

*Example: Key in 5 (for PLU number 5) and press the bottom left corner key.*

```
P04-01 001 72 5
```

If the function does not include data (e.g. Save - flag 8), key in 0 and then press the desired preset key.

6. Press the **Mode** key three times to resume operation.

## 4.1 P01-PLU Data

1. From the program mode main menu screen, press the down arrow once to scroll to *P01 PLU*.
2. Press **Enter** to display *P01-00 PLU*.
3. Enter the PLU number.
4. Press **PLU**. *13001-0000 ENT OR CLR* displays.
5. Press **Enter** to confirm. *P01-01 < SALE1 >* displays.
6. Press **Edit**. *INP 0001-0000 00* displays
7. Enter/edit text. See [Section 5.2 on page 28](#).
8. Press **Enter**. *P01-01 < SALE1 >* displays.
9. Press **Enter** to enter the lower level menus.

Parameter	Display	Description	Choices
P01-01 Sale1	P01-01-01 SALES	Enter the mode number. Press <b>Enter</b> to select a desired sales mode. To delete the PLU press <b>Zero</b> at this step.	0: WEIGHT 1: FIX PRI 2: WGT F/PRI
	P01-01-02 MD MODE	Enter the mode number. Press <b>Enter</b> to select a desired markdown mode.	0: NORMAL 1: SPECIAL 2: -\$ 3: -% 4: SPEC. U/P 5: U/P -\$ 6: U/P -%
	P01-01-03 OPEN PRICE	Enter the mode number. Press <b>Enter</b> to select whether or not to allow the operator to change the price.	0: YES 1: NO
	P01-01-04 PRICE	Enter the unit or fixed price. Press <b>Enter</b> .	--
	P01-01-10 TARE	Enter tare weight. Press <b>Enter</b> .	--
	P01-01-12 P TARE	Enter the tare percentage. Press <b>Enter</b> . Format is X.X% <i>Example: Enter 60 for a 6.0% tare.</i>	--
	P01-01-13 FORCED TARE	Enter the mode number. Press <b>Enter</b> to select whether or not a tare weight is required to print a label.	1: YES 2: NO
	P01-01-14 LO WGT P01-01-15 UP WGT	Enter the lower weight limit. Press <b>Enter</b> . Enter the upper weight limit. Press <b>Enter</b> .	-- --
P01-03 MSG.	P01-03-01 NUT.	Enter the desired Nutrition Facts number. Press <b>Enter</b> to select.	--
	P01-03-02 — P01-03-04 MSG1-3	Enter the desired Extra Message number. Press <b>Enter</b> to select.	--
	P01-03-07 COOK	Enter the desired Cook Time number. Press <b>Enter</b> to select.	--
P01-04 IMAGE	P01-04-01— P01-04-03 IMAGE 1-3	Set the image to print on the label. The label format must be configured to support variable images. Press <b>Enter</b> to select.	--
	P01-04-05 S H IMG	Leave at 0. The SH image is specified in the label format.	0
	P01-04-06 S H IMG PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the image in the Safe Handling Image Print display.	1: NO PRINT 2: PRINT

Table 4-1. P01 PLU Data

Parameter	Display	Description	Choices
P01-06 DATE	P01-06-01 P/D PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the packed date.	1: YES 2: NO
	P01-06-02 PK TIME PRN	Enter the mode number. Press <b>Enter</b> to select the desired pack time printing method.	0: NO PRINT 1: DESIGNATE 2: CLOCK
	P01-06-03 P/T DATA (HH:MM)	This field is only available when 1: DESIGNATE is selected in P01-06-02 PK TIME PRN. Enter the time and press <b>Enter</b> .	--
	P01-06-04 SB DATE PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the sell by date.	1: YES 2: NO
	P01-06-05 SB TIME PRN	Enter the mode number. Press <b>Enter</b> to select the desired sell by time printing method.	0: NO PRINT 1: DESIGNATE 2: RELATIVE
	P01-06-06 SB TIME	Enter the designated time or number of minutes and press <b>Enter</b> . Data format is based on P01-06-05 Sell By Time Print setting.	00:00-23:59 (Designate)  0-1439 (Relative [min])
	P01-06-07 SHELF LF (Days)	This field is available only when 1: YES is selected in P01-06-04 SB DATE PRN. Enter the number of days and press <b>Enter</b> .	--
	P01-06-08 DATE PRN	Enter the mode number. Press <b>Enter</b> to select whether or not to print the use by date.	1: YES 2: NO
	P01-06-09 UB DATA	This field is available only when 1: YES is selected in P01-06-08 DATE PRN. Enter the number of days and press <b>Enter</b> .	--
P01-07 CODE	P01-07-01 CODE (8 DIGITS)	Enter an item code. Press <b>Enter</b> .	--
	P01-07-02 REGI.CODE	Enter the register code. Press <b>Enter</b> .	--
	P01-07-04 BARCODE (14 DIGITS)	Enter a barcode number. Press <b>Enter</b> .	--
	P01-07-08 TRACE EN	Enter the mode number. Press <b>Enter</b> to select whether or not to enable traceability data.	1: YES 2: NO
	P01-07-10 DEPT	Enter desired department number. Press <b>Enter</b> .	--
	P01-07-11 GROUP NO	Enter desired group number. Press <b>Enter</b> .	--
	P01-07-12 FMI AI	--	--
	P01-07-13 FMI NoAI	--	--

Table 4-1. P01 PLU Data (Continued)



## 4.2 P02-Campaign

Designate sales prices for selected PLUs for a specified time period.

Parameter	Display	Description	Choices
P02-00 CAMPAIGN	--	Enter Campaign number and press <b>PLU</b> . Message <i>13001-0000 New Data</i> is displayed when a new campaign is created. Press <b>Enter</b> to continue or <b>CLR</b> to quit. Press the <b>Down Arrow</b> key to view and select existing campaigns. Press the <b>Zero</b> key to delete the selected campaign.	--
P02-01 SCHEDULE	P02-01-01 SCHED. TYPE	Enter schedule type and press <b>Enter</b> .	0: DATE 1: DLY/WKLY
	P02-01-02 S.D.	Enter desired start date in MMDDYYYY and press <b>Enter</b> .	--
	P02-01-03 S.T.	Enter desired start time in HH:MM (24 hour format). Press <b>Enter</b> .	--
	P02-01-04 E.D.	Enter desired end date in MMDDYYYY and press <b>Enter</b> .	--
	P02-01-05 E.T.	Enter desired end time in HH:MM (24 hour format). Press <b>Enter</b> .	--
P02-02 DATA	P02-02-01 CALL PLU	Enter desired PLU number and press <b>PLU</b> .	--
	P02-02-02 PLU No.	Displays the PLU number for confirmation	--
	P02-02-03 MD MODE	Enter the desired Markdown mode and press <b>Enter</b> .  <i>NOTE: Modes 1, 2, 3 and 17 are for fixed price items. Modes 4, 5, 6 and 16 are for weighed items. Modes 16 and 17 are used to change the price without printing the pre-markdown price on the label.</i>	1: SPECIAL 2: -\$ 3: -% 4: SPEC. U/P 5: U/P -\$ 6: U/P -% 16: Unit Price 17: Fixed Price
	P02-02-04 MD PRI	Enter the desired dollar or percentage amount and press <b>Enter</b> .	--

Table 4-2. P02 Campaign

### 4.3 P04-Preset Key Registration

Assign presets (PLU number, tare weight, etc.) and function keys (price change, multiply, etc.) to the *Astra II* keyboard.

Display	Description	Choices
P04-01 XXX	Enter the Key Flag No. and press <b>PLU</b> to set the function. If the Key Flag No. requires a value, enter value; otherwise, enter 0. Press the desired key. The preset key has been registered. Repeat steps as needed.	--

Table 4-3. P04 Preset Key Registration

Key Flag No.	Preset Key	Description
1	PLU	Call up item
2	Tare	Tare
3	F/P	Fixed price change
4	MULTI	Use to set number of pieces to be purchased
5	Special	Special price
6	-\$	Subtract a dollar amount from the total price.
7	-%	Subtract a percentage amount from the total price
8	Save	Save key (keep showing PLU)
9	POP	POP Message
10	Void	Void the last date/void the assigned date
15	Subtotal Display	Subtotal Display
16	Extra1	Extra Message 1
17	Extra2	Extra Message 2
18	Extra3	Extra Message 3
19	F/P+Weigh	Fixed Price + Weight price change
20	SP. (U/P)	Special unit price
22	Format	Change of label format
23	Image 1	Image 1
24	Image 2	Image 2
25	-Price (U/P)	-Unit Price
26	Peel MD	Displays the current Peel Sensor status: INDIV (on) or W/BACK (off)
32	U/P	Unit price change
33	P Date	Enter a temporary Pack Date
34	S Date	Enter a temporary Sell by Date
37	Bar Y/N	Choose to print barcode or not
43	Total Display	Total display
45	Image 3	Image 3
66	-% (U/P)	-% (U/P)
71	SH Flag	Safe Handling on/off
75	Auto Print Mode	Printing mode (auto/manual)
76	PLU No.	Press to temporarily display the PLU number
77	1/2	Change to pricing by the half-pound; N/A for USA
78	Total Add	Total (add/non add)
79	Trace	Traceability
80	Passport	Traceability passport
99	Man. Wt. oz	Temporarily change the fixed bakery weight
117	Auto PLU	Temporarily disable auto PLU call to make a numeric entry
134	Receipt Trace	Trace the receipt
136	Lot No.	Program lot number
137	Print QTY	Quantity of printing label

Table 4-4. Preset Key List

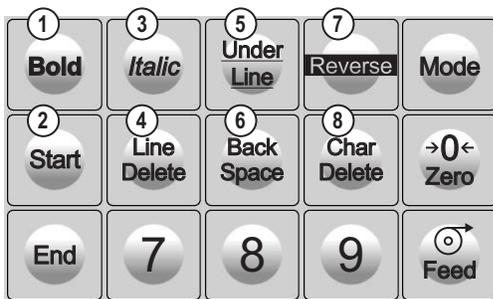


Key Flag No.	Preset Key	Description
143	Print Nutrition	Print only nutrition
144	Nutrition PRT Y/N	Print only nutrition Yes/No
153	OCR	N/A in USA
156	Lower Preset	Use to select the second PLU assigned to a preset key.
157	Mode Key	Mode key
158	Target QTY	Key to set the target quantity
159	Target WGT	Key to set the target weight
160	Target PRI	Key to set the target price
161	Target Cancel	Key to cancel the target
162	Fixed WGT	Key to enter a fixed weight
166	Charge p+	Add an assigned cost to subtotal in \$
167	Charge p+%	Add an assigned cost to subtotal in %
170	-p \$	Subtract an assigned dollar amount from the total price
171	-p %	Subtract an assigned percentage amount from the total price
172	Head Usage	Display the printed label length in km (same as step C07-01-03)
173	-p Special	Set an assigned special total price amount
174	-p Spcl (U/P)	Subtract an assigned special unit price
175	-p -\$ (U/P)	Subtract an assigned unit price
176	-p -% (U/P)	Subtract an assigned unit price percentage

Table 4-4. Preset Key List (Continued)

### 4.3.1 Default Preset Keys

In operation mode the functions listed in the table below are set by default to the key positions 1-8.



1	Auto/Manual
2	Save
3	Pack Date
4	Sell By Date
5	Unit Price
6	Fixed Price
7	Lower Preset
8	X (Multiply)



*To preserve the preset keys, they must be received into SLP-5 Lite before creating and sending presets to the scale.*

*They can be restored by executing all three steps of the memory clear. All other scale data, including the presets, will also be reset with a memory clear.*



*Open Price in a PLU must be set to Yes to allow the operator to change the price with the Unit Price and Fixed Price functions. See P01-01-03 OPEN PRICE in [Section 4.1 on page 17](#).*

## 4.4 P06-Store Data

Program and set the store name and address that prints on the label.

Display	Description	Choices
P06-00 NO. XXXX	Enter the store number and press <b>PLU</b> to display the desired store data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>CLR</b> to go back. <i>NOTE: If a pre-registered item has been requested, P06-01 will display the registered store name. Press <b>Edit</b> to edit data.</i>	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--
P06-01 NAME	Press <b>Edit</b> to edit store name.	--
P06-02 ADDRESS	Press <b>Edit</b> to edit store address.	--
P06-03 DELETE	Press <b>Zero</b> to delete store.	--
P06-04 PRINTER1	Enter desired store number to print on labels.	--

Table 4-5. P06 Store Data

## 4.5 P07-Department

Program departments that are then used in the PLU file to designate where totals are accumulated for the purpose of reports printed at the *Astra II*.

Display	Description	Choices
P07-00 DEPARTMENT	Enter the department number and press <b>PLU</b> to display desired store data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected department number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--

Table 4-6. P07 Department

## 4.6 P08-Group

Program groups that are then used in the PLU file to designate where totals are accumulated for the purpose of reports printed at the *Astra II*.

Display	Description	Choices
P08-00 GROUP	Enter the group number and press <b>PLU</b> to display desired group data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected group number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--

Table 4-7. P08 Group



## 4.7 P09-Cooking Time

The cooking time calculation is not used in the USA.

Display	Description	Choices
P09-00 COOKING TIME	Enter the Cooking Time number and press <b>PLU</b> to display desired cooking time. If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data or <b>Clear</b> to go back.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--
P09-00 METHOD	Press <b>Edit</b> to edit the cooking method. Press <b>Enter</b> when editing is complete.	--
P09-00 TIME	Enter the desired base time and press <b>Enter</b> .	--
P09-00 WGT	Enter the desired weight to use with desired cooking method. Press <b>Enter</b> .	--

Table 4-8. P09 Cooking Time

## 4.8 P10-Nutrition

Enter nutrition data to be linked to a PLU. A label designed to support nutrition information must be used to print the data.

Display	Description	Choices
P10-00 NUTRITION	Enter the nutrition number and press <b>PLU</b> to display the desired nutrition data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation prompt is displayed. Press <b>Enter</b> to set up new data or <b>Clear</b> to go back.	--
P10-01 NUTRI No.	The nutrition number is displayed	--
P10-02 SERVING SIZE	Press <b>Edit</b> to edit the serving size.	--
P10-03 SERVI. SIZE2	Press <b>Edit</b> to edit the serving size 2. This parameter is not used in the USA.	--
P10-04 TOTAL CALOR	Enter the total calories.	--
P10-05 SER.PER CONT	Enter the servings per container.	--
P10-06 CAL.FROM FAT	Enter the calories from fat.	--
P10-07 TOT. FAT g	Enter the total fat value (g).	--
P10-08 TOT. FAT %	Enter the total fat percent.	--
P10-09 SATU.FAT g	Enter the saturated fat value (g)	--
P10-10 SATU.FAT %	Enter the saturated fat percent.	--
P10-11 CHOLE. mg	Enter the cholesterol value (mg).	--
P10-12 CHOLESTE. %	Enter the cholesterol percent.	--
P10-13 SODIUM mg	Enter the sodium value (mg).	--
P10-14 SODIUM %	Enter the sodium percent.	--
P10-15 TRANS FAT	Enter the trans fat value (g).	--
P10-16 CARBOHYD. g	Enter the carbohydrates value (g).	--
P10-17 CARBOHYD. %	Enter the carbohydrates percent.	--
P10-18 DIE.FIBER g	Enter the dietary fiber value (g).	--
P10-19 DIE.FIBER %	Enter the dietary fiber percent.	--
P10-20 PROTEIN g	Enter the protein value (g).	--
P10-21 PROTEIN %	Enter the protein percent.	--
P10-22 SUGARS g	Enter the sugar value (g).	--
P10-23 SUGARS %	Enter the sugar percent.	--
P10-24 VITAMIN A%	Enter the vitamin A percent.	--
P10-25 VITAMIN C%	Enter the vitamin C percent.	--
P10-26 CALCIUM%	Enter the calcium percent.	--
P10-27 IRON%	Enter the iron percent.	--

Table 4-9. P10 Nutrition

## 4.9 P11-P13 Extra Message Data 1-3

Program text messages such as ingredients, cooking instructions, country of origin, etc. in Extra Messages 1, 2 and 3. Text messages are linked to a PLU. A label designed to support messages must be used to print the text. The message field(s) must be large enough to print all the text.

Display	Description	Choices
P11-00 XTRA MSG1 P12-00 XTRA MSG2 P13-00 XTRA MSG3	Enter the Extra Message number and press <b>PLU</b> to display desired extra message data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected Extra Message. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--

Table 4-10. P11 - P13 Extra Message Data 1-3

## 4.10 P19-Lookup Table

The lookup table feature is not used in the USA.

Display	Description	Choices
P19-00 LOOKUP TBL	Enter the Lookup Table number and press <b>PLU</b> to display desired lookup table data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--

Table 4-11. P19 Lookup Table

## 4.11 P21-Fix Price Symbol

The fixed price symbol feature is not used in the USA.

Display	Description	Choices
P21-00 F/P SYMBOL	Enter the Fix Price Symbol number and press <b>PLU</b> to display desired fixed price data.	--
13001-0000 ENT OR CLR	If a non-registered item has been requested, the confirmation screen is displayed. Press <b>Enter</b> to set up new data, or <b>Clear</b> to go back.	--
INP 0001-0000 00	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in <a href="#">Section 5.2 on page 28</a> . Press <b>Enter</b> when editing is complete.	--

Table 4-12. P21 Fix Price Table



## 4.12 P37-Check Label

Print labels to verify the PLU information and barcode scanning. Labels may be printed on the backing paper with no setting change required.

Display	Description	Choices
P37-01 START No.	Enter desired start number. Press <b>Enter</b> .	--
P37-02 END No.	Enter desired end number. Press <b>Enter</b> .	--
P37-03 CHECK LABEL	Press <b>Print</b> to check label.	--

Table 4-13. P37 Check Label

## 4.13 P40-Price Change

Update PLU prices. The old price is displayed along with the new price.

Display	Description	Choices
P40-00 PLU (8 DIGITS)	Enter the PLU number and press <b>PLU</b> to recall an item.	--
P40-01 0.00	Enter the new price and press <b>Enter</b> . The old price is displayed on the right side. To update additional prices enter another PLU number, press <b>PLU</b> and repeat the steps. Press <b>Mode</b> to exit.	--

Table 4-14. P30 Stamp Price Data

## 5.0 Appendix

### 5.1 Error Codes



**Note** In some cases pressing the Up or Down arrow keys will toggle between the error number and the description.

Error No.	Error	Solution
---	Take Item Off Platter	Remove all objects from the platter before switching on the power Check that the platter is seated correctly in the four rubber supports Call Rice Lake Weighing Systems or a local dealer for assistance
105	Initialization Failed	Call Rice Lake Weighing Systems or a local dealer for assistance
106	Battery is Fault	Verify battery switch is on or replace battery
108	Clock Setting is Not Completed Yet	Set up clock, <a href="#">see Section 3.1 on page 14</a>
109	Printer 1 Initialization Was Not Done Yet	Call Rice Lake Weighing Systems or a local dealer for assistance
110	Machine Setting Is Not Completed	Call Rice Lake Weighing Systems or a local dealer for assistance
111	The Display Confirmation Is Not Completed	Call Rice Lake Weighing Systems or a local dealer for assistance
112	The Confirmation Of The Key Is Not Completed	Call Rice Lake Weighing Systems or a local dealer for assistance
114	The Data Composition Is Different	Call Rice Lake Weighing Systems or a local dealer for assistance
116	The Country Has Not Been Selected	Call Rice Lake Weighing Systems or a local dealer for assistance
202	PLU Master Is Not Programmed	Check PLU number, program if necessary, <a href="#">see Section 4.1 on page 17</a>
212-216	Free Master Isn't Registered	Check Free Message, register if necessary, <a href="#">see Section 4.12 on page 25</a>
219	Store Master Is Not Programmed	Check store number, program if necessary, <a href="#">see Section 4.3.1 on page 21</a>
221	Tare Limit Over (g)	Re-program tare weight
222	Tare Weight is 0 g	Set tare weight
223	Label Setting Master Is Not Programmed	Check label number, program if necessary
266-000	File Input Error	There is a file that failed during input, check USB
266-001	File Input Error	Failed in reconstruction of SRAM data
267-000	File Output Error	There is a file that failed during output, check USB
267-001	File Output Error	Failed in SRAM data backup
268-000	File Delete Error	There is a master file that failed in deleting
268-001	File Delete Error	Failed in SRAM delete
268-002	File Delete Error	Failed in Data delete
268-003	File Delete Error	There is data that failed in deleting
271	Initialize Error	There is master data that failed in initialization
275	Extra Message 1 not found	The extra message 1 linked to the PLU does not exist; Call Rice Lake Weighing Systems or a local dealer for assistance
276	Extra Message 2 not found	The extra message 2 linked to the PLU does not exist; Call Rice Lake Weighing Systems or a local dealer for assistance
277	Extra Message 3 not found	The extra message 3 linked to the PLU does not exist; Call Rice Lake Weighing Systems or a local dealer for assistance
281	Tare Limit Over (kg)	Re-program tare weight
282	Tare Weight is 0 kg	Set tare weight
283	Tare Limit Over (lb)	Re-program tare weight
284	Tare Weight is 0 lb	Set tare weight
312-000	Label Is Remaining	Call Rice Lake Weighing Systems or a local dealer for assistance
313	Printer Thermal Head Is Up	Put thermal head down
316	Markdown Price Is More Than Original Price	Check price, markdown should be less than original price
321	Price Is Not Programmed	Enter price, program if necessary

Table 5-1. Error Codes



Error No.	Error	Solution
347-000	Thermal Head Is Worn Out	No effect on printing
347-001	Thermal Head Is Worn Out	Effects printing on one side of the format. Change thermal head
347-002	Thermal Head Is Worn Out	Not printing barcode correctly. Change thermal head
351	Label Is Remaining	Call Rice Lake Weighing Systems or a local dealer for assistance
396	No USB Memory	Check USB memory
703	Printer 1 Has Problem	Printer queue is full. Turn off the scale. Wait 10 seconds
710-000	No Label For Printer 1	Change label roll
710-001	No Label For Printer 1	Thermal head is in the up position. Printing cannot resume until the thermal head is locked down
710-002	No Label For Printer 1	Front cover is open. Close the front cover
711-000	Label Size Error For Printer 1	Remove label and press feed key
711-001	Label Size Error For Printer 1	Remove label and press feed key
711-002	Label Size Error For Printer 1	Remove label and open front cover
713	Too Many Characters On Format For Printer 1, Failed In [*]	Check field and data
714-000	Remaining Label On Printer 1	Remove label
714-001	Remaining Label On Printer 1	Remove label
714-002	Remaining Label On Printer 1	Remove label
715-000	Thermal Head Is Worn Out For Printer 1	Change thermal head
715-001	Thermal Head Is Worn Out For Printer 1	Thermal head is worn, but there is no effect on printing
715-002	Thermal Head Is Worn Out For Printer 1	Change thermal head
1010	No Label for Printer 1	The label gap sensor did not detect the labels. Open the printer door and confirm the labels are threaded correctly and are in the label gap sensor.
1011	Label size error	The length of the label does not match the label format. Confirm the label are the correct length. Confirm the label are threaded correctly and are in the label gap sensor. Check the length (height) of the label format.
1601	Span Adjustment For Scale Is Not Completed	Call Rice Lake Weighing Systems or a local dealer for assistance
11009	Operator keys are not available	The scale is set for standard operation, use the <b>Print</b> key to print labels.
11010	Print key is not available	The scale is set for operators, use the operator keys to print labels.
11040-0001	Unit price too large	
14038-0001	SSID Length is invalid	Check the SSID length
14038-0002	WEP 64 key length is invalid	Check the WEP 64 key length. Hex: 10 characters, ASCII: 5 characters
14038-0003	WEP 128 key length is invalid	Check the WEP 128 key length. Hex: 26 characters, ASCII: 13 characters
14038-0004	PSK length is invalid	Check the PSK length. Hex: 64 characters, ASCII: 8-13 characters
14038-0005	WEP index number is invalid	Check the WEP index number. Number should be between 1-4.
14038-0006	Key type is invalid	Please check the key type or key data. Hex: 0-9, A-F
14038-0007	Communication error has occurred	Check the connection with the WiPort bridge
14038-0008	An error has occurred	Check the WiFi settings and repeat
14038-0009	WiFi settings have changed	Press <b>Enter</b> to save the settings or <b>Clear</b> to exit.
14038-0010	Wait 30 seconds to enable WiFi settings	Wait 30 second after pressing <b>Enter</b> .

Table 5-1. Error Codes (Continued)

## 5.2 Text Editing

	Used to finalize editing a text.		Select font size for text displayed on screen. **See Table 5-3
	Exit editing a text.		Specify a bold character font style.
	Begin a new line.		Specify an italic character font style.
	Select either lower case or upper case character mode for a text to be entered.		Specify a reverse character font style.
	Enter a space.		Specify an underlined character font style.
	Select either lower case or upper case character mode for a text to be entered.		Specify a normal character font style.
	Insert a character, or select characters by pressing the left or right arrow keys.		Move cursor left.
	Delete a character.		Move cursor right.
	Delete a line of text.		Move cursor up.
	Delete a character by moving the cursor back by one character.		Move cursor down.
	Copy original data to current data.		

Table 5-2. Text Editing Buttons

Font Size Choice	Description
0	10 x 5, 62 characters/line
1	10 x 6, 54 characters/line
2	14 x 7, 48 characters/line
3	20 x 10, 36 characters/line
4	22 x 10, 36 characters/line
5	24 x 12, 31 characters/line
6	28 x 14, 27 characters/line
7	30 x 15, 25 characters/line (default)
8	32 x 15, 25 characters/line
9	34 x 16, 24 characters/line
10	40 x 20, 19 characters/line
11	56 x 28, 14 characters/line
12	60 x 30, 13 characters/line
13	80 x 40, 10 characters/line
14	120 x 60, 7 characters/line

Table 5-3. Available Font Sizes for the Size Button

### 5.3 Default Label Formats



Figure 5-1. Default Label Format 1



Figure 5-2. Default Label Format 2



Figure 5-3. Default Label Format 3



Figure 5-4. Default Label Format 4



Figure 5-5. Default Label Format 5



Figure 5-6. Default Label Format 6





Figure 5-7. Default Label Format 7



Figure 5-8. Default Label Format 8

## 5.4 Specifications

Items	Descriptions
Use Conditions	Temperature: 23 to 104°F -5 to 40°C Humidity: 30 to 85%, non-condensing.
Power supply / power consumption	AC100 – 120V / 1.0A
Weighing capacity scale interval	0 to 30 x 0.01 lb 0 to 15 x 0.005 kg
Weighing accuracy	1/3000
Operator/customer display	16 segments x 23 digits, liquid crystal with backlight
Printing method	Direct thermal method
Thermal head	2.2 inch (56 mm) and 8 dots/mm
Printing speed	3.9 inch (100 mm) / second
Label size	Label width: 38 mm to 64 mm Label length: 30 mm to 175 mm
Number of label cassettes	Non-cassette
Input/output	LAN 1 channel USB 1 channel
Program store medium	Flash ROM (32M bytes)

*Table 5-4. Specifications*





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230 W. Coleman St. • Rice Lake, WI 54868 • USA

U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319