

OWNERS MANUAL

PAX - POS Series

Receipt Printing Scales



Scale User's Guide

Version

2.110

About PAX-POS Series Receipt Printing Scales

We would like to thank you for choosing SMART as your preferred choice for your weighing requirements.

The PAX series price computing scale is an accurate, fast and versatile series of weighing scales, loaded with time saving features and ease of customer use. The scale has three 0.56" LED displays to show weight, unit price and total price - all at the same time There are 2 models in this series, with capacities of 15kg and 30 kg and with least count from 2g & 5g.

Both have stainless steel weighing platforms on an ABS pan assembly with back support. The loadcell is mounted on a dual aluminum die casted mounting providing precise overload protection of up to 200% FS load capacity.

The soft touch 25 key keypad buttons are ideally sized, color coded, and bear symbolic tags for easy recalling scale functions. The displays are large easy to read and easy to view in different lighting conditions.

The scale is loaded with features like, 299 memory with option to go upto 2000 PLU's, Manual tare, zero, item naming, direct printing of receipts , built in printer, extensive reporting and much more.

The scales feature auto zero tracking to automatically compensate for small fluctuations in zero such as a build up of material on the platform.

1 TECHNICAL DATA

PAX SEIRS POS SCALES			
Measurement Data	PAX-POS-15K2	PAX-POS-30K5	PAX-POS-30K5D
Capacity	15kg	30kg	15/30kg
Readout / Interval	2g	5g	2/5g
Tare range subtractive	15,000g	30,000g	30,000g
Repeatability	±1d	±1d	±1d
Display Resolution	1:7500	1:6000	1: 6000

Other Parameters

Application Modes	Weighing, Price / User Calculation
Product Features	Auto Sleep, 100% Tare Range, Price Computing, Glow Control, Built in 2" Thermal Printer
Keyboard	25 keys, Numeric Keypad
Display Indicators	Stability, Zero Position, Tare, Charging, Battery Status Vendor / Customer No, Pack Mode, USB Active, Save Mode
Weighing Units	Kg
Calibration	Digital with external weight.
Weight	8kg Approx
Pan Size	345mm x290mm
Front Display Type	0.56" Bright Green / Red LED display
Rear Display	Pole / Rear Type
Communication	Optional RS232C for PC communication/ USB Support / Radio Wifi
Stabilization	2 seconds
Power	9V AC Adaptor / built in battery for backup to 50hrs. / 70 hrs with sleep mode active
Operating Temp.	50° to 98° F / 10° to 50° C
Dimensions	164.5 x 232.5 x 164.5 (w x d x h) – including shield.

* all in one models only, ** specific to country restrictions.

WARRANTY CERTIFICATE

Customer Name : _____

Phone: _____ Mobile: _____

Date of Purchase : _____ Invoice / DC No: _____

Model : _____ Sl.No : _____

Dealers / Agent Name _____

The manufacturer warrants all products shipped against defects in MATERIAL and WORKMANSHIP for a period of one year for standard line of products. All OEM and custom build orders carry (1) year warranty for MATERIAL and WORKMANSHIP. Warranty will not be applicable for Battery and adaptors. Normal wear and tear, injury by natural forces, user neglect and purposeful destruction are NOT covered by this warranty. Technical Service MUST be performed by authorized staff or factory authorized personnel. Manufacturer's obligation is limited to replacement of parts that have been so returned and are disclosed to manufacturer's satisfaction to be defective. The provisions of these warranty clauses are lieu of all other warranties, expressed or implied, and of all obligations or liability in connection with sale of said articles. Manufacturer makes no warranty of merchantability or fitness for a particular purpose. By accepting the goods, the buyer acknowledges that the buyer has determined that the goods are suitable for the buyer's purposes. In no event shall the manufacturer be liable for any sub sequential or special damages. Any misuse, improper installation or tampering shall VOID this warranty.

Product that is malfunctioning within the 1-year warranty period for scale line and 1-year warranty period for OEM products may be returned to manufacturer for Warranty Evaluation at the customers' expense. Manufacturer reserves the right to repair OR replace the components free of charge as may qualify under this warranty. REMINDER!! WARRANTY DOES NOT COVER USER DAMAGE AND ABUSE. In addition to a listing of the repairs covered under warranty, if any, the customer will be billed accordingly for all parts and labor associated with any NON-WARRANTY repairs made to the product.

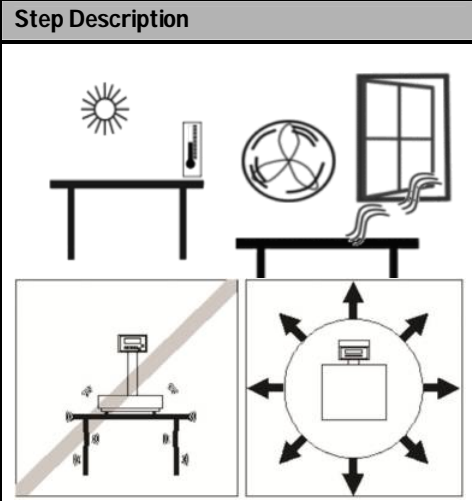
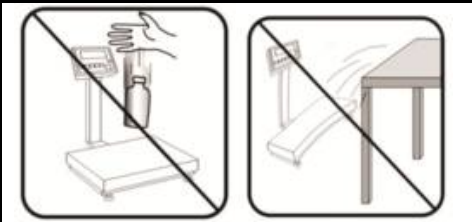

8 ERROR CODES

ERROR – DISPLAY	Error	Solution
Err 01	<ul style="list-style-type: none"> Zero not in range 	Remove weight from pan and restart the machine. If the problem persists, the machine may have been overloaded.
Err 02	<ul style="list-style-type: none"> Weight not enough for the selected setting 	Keep weight or Add more weight on pan for correct results.
Err 03	<ul style="list-style-type: none"> Internal calibration / External variance larger than 2% 	You are trying to calibrate the scale with a incorrect weight.
--OL--	<ul style="list-style-type: none"> Overload signaled by ADC 	# Check if there is excess weight on the platform # Check if the loadcell cable is damaged / check connector # Perform Internal calibration
LO BAT	<ul style="list-style-type: none"> LOW Battery. Machine displays message and turns off 	Battery is low. Connect scale to power so that the battery can be charged.

9 TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
Scale will not power on	If running on battery, the battery may have fully discharged. AC Power cord not connected.	Connect scale to power source. Recharge battery
Battery does not give enough backup	The battery is defective. The battery may have past its useful life. (Generally 6months – 1 year)	Change the battery.
Weight reading on scale does not stabilize	External Rubbing / Friction A scale cannot measure accurately if an object is rubbing or pressing against the scale platform. Mobile interference, Vibration or wind could be other possible reasons	Move the scale away from mobile signal, breeze or vibration areas.
Scale does not show weight accurately	Improper calibration	Calibrate the scale again to and check for the problem again.

2 SAFETY & PLACEMENT OF SCALE

Step Description	Precautions
	<ul style="list-style-type: none"> Away from direct sunlight. Not exposed to high temperature variations Stable, vibration-free base as horizontal as possible Do not place near open windows, air-conditioning vents or fans that may cause a draft and unstable readings. Keep free from vibration. Do not place near heavy or vibrating machinery. The best location is a stable surface away from direct drafts, doors, windows, radiators and air conditioner vents External Rubbing / Friction: A scale cannot measure accurately if an object is rubbing or pressing against the platform.
	<ul style="list-style-type: none"> Never drop or throw any articles onto the scale's pan or onto any other parts of the unit! DO NOT let the scale fall or drop from its tabletop surface!
	<ul style="list-style-type: none"> Never attempt to repair, disassemble or modify the scale yourself. Tampering with the scale may result in injury and cause more damage to the equipment. Be sure to use the specified power source. Do not allow foreign matter to fall into the scale. If water or other liquid spills into the scale, wipe it out and clean it before putting it to use. If the electronics is affected with water, unplug the power cord immediately and contact support.

3 INSTALLATION

3.1 UNPACKING

Unpack and verify that the following components have been included:

- Johri Precision Balance with accessories and Instruction Manual
- Power Adapter
- Draft Shield with glass
- REMOTE Display with cable

Save the packaging material. This packaging ensures the best possible protection for the storage or transport of the product.

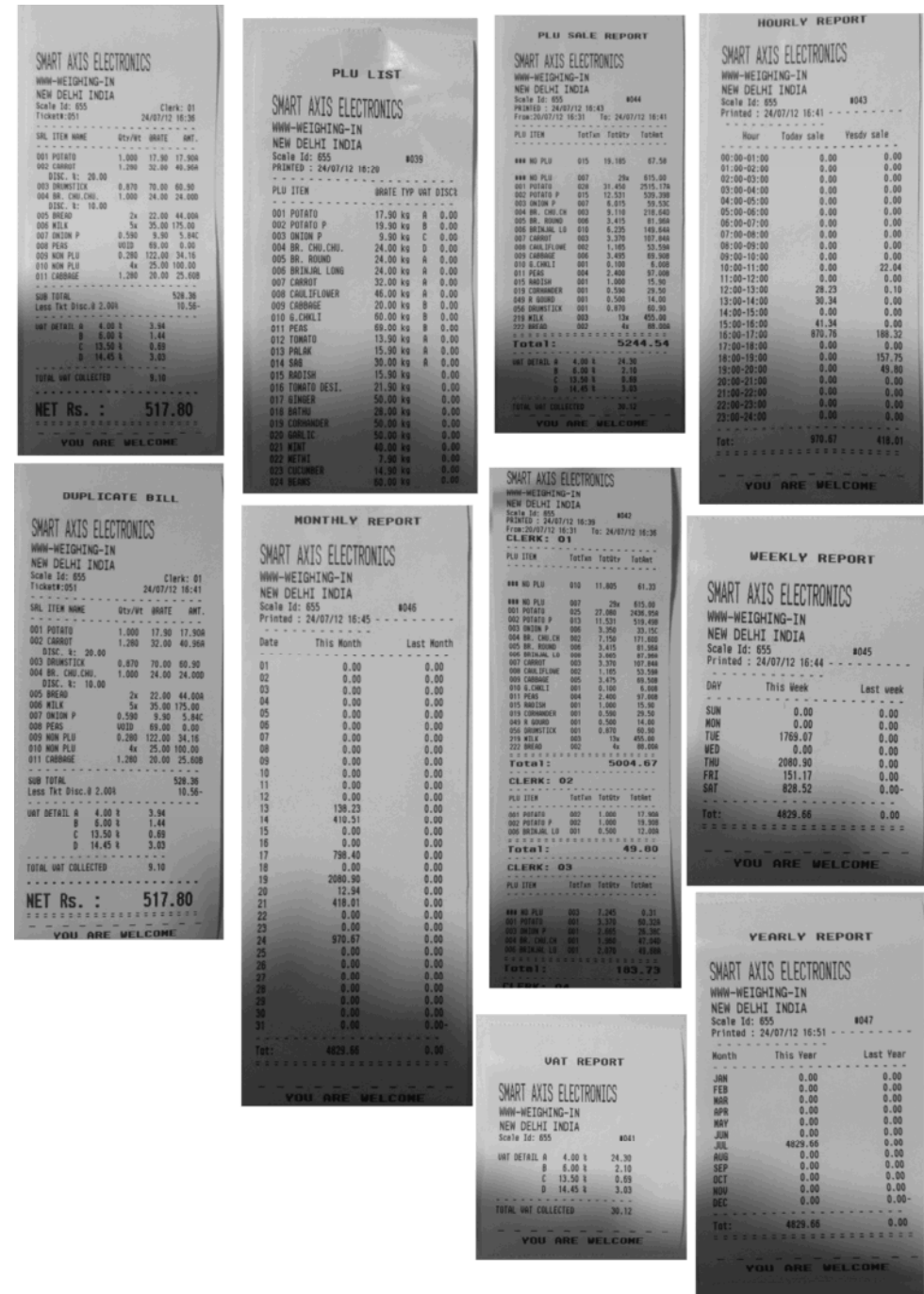
3.2 POWER SOURCE

The unit works through 8.5V universal DC Adaptor to take input 110VAC-220VAC, or, through a Power cord to take an input of 180VAC-240VAC. The scale is fitted with a built in 6V 4.5Ah battery which provides backup of more than 30 ~ 45 hours depending on glow setting and sleep mode setting.

3.3 CALIBRATION CHECK

Put a known weight on the machine and make sure that the indicator reads the correct weight on the display. In case of a variation in the display reading, it is recommended to calibrate the indicator again with the procedure explained in section 7.1 later in the manual.

4 DISPLAY / KEYS & FUNCTIONS



user does have a printer problem and wants to continue ignoring the printer error. The can continue sales without printing. Press Tare for next option			
Darkness: Select print darkness level from here. you can set values 0, 1 or 2 (max darkness). Press Tare for next option	dark		2
Scale ID: Use the numeric keypad to enter scale id. Press Tare to exit menu and return to weighing mode.	clerk	enable	no

7.4 CLEAR PLU SALES DATA

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Switch off the machine. Switch on the machine while the C/ESC button is pressed. Keep the button pressed until next option appears	888888		
Use the add button to toggle between yes and no	delete	record	no
Change option to yes and press TARE. All sales data will be cleared.	delete	record	yes

*Note: MIS data will not be cleared. To clear MIS data refer service manual



4.1 KEYS & FUNCTIONS

KEY	DESCRIPTION
	Numeric Keys, Used to enter price, qty, names, tare etc
	Double Zero : Enter 2 zero together
	CLEAR : Used to clear erroneous entries and error conditions.
	TARE KEY . Use to manually enter and remove tare weights.
	RE-ZERO key. Use to remove small variations in the scale's zero.
	PLU LOOK UP : When you type a PLU number and press this key, it calls-up that PLU.
	ADD-Up key . This key adds the item to the current transaction Move Right - Single Press: 1 character right. Long press: Move right end
	LABEL : Print Label (For Scales with Labeling option) Move Right - Single Press: 1 character right. Long press: Move right end
	PRINT : Print Ticket REPORTS MENU - Long Press, enters into reports print mode
	DISCOUNT % : Enter discount in percentage at ticket level
	VENDOR / CUSTOMER : Select customer in queue
	VOID : To remove erroneous / unwanted sales from transaction
	FUNCTION key. This key toggles from program menu to sale mode.
	PCS Key: Switch to PCS mode Feed key. Use this key to feed labels or paper through printer
	TOTAL : Show total item count / amount PACK MODE : Press to enter into pack mode (Labeling only)
	CHANGE : Perform change calculation SAVE MODE : Press to enter into price save mode

4.2 ENUNCIATORS / SYMBOLS

<input checked="" type="radio"/> CHARGE	Power LED – Turn on to RED when power source is connected
<input type="radio"/> ZERO	ZERO POSITION - The scale is at zero
<input type="radio"/> NET	NET WEIGHT – TARE is existent and value shown is the net weight
<input type="radio"/> STB	STABLE – The weight is stable
<input type="radio"/> Rs/kg	WEIGHTED ITEM – Price of the item is by weight. i.e Price / kg
<input type="radio"/> Rs/Pc	COUNTED ITEM – Price of the item is by piece i.e Price / pc
<input type="radio"/> V1 <input type="radio"/> V2 <input type="radio"/> V3 <input type="radio"/> V4	VENDOR / CUSTOMER – 4 Vendors possible. Current vendor with glow
<input type="radio"/> PACK	PACK MODE – The scale is in pack mode and will autoprnt label. (With label printing option only)
<input type="radio"/> SAVE	SAVE MODE – The scale is in save mode and tare and PLU will not reset automatically
<input type="radio"/> USB	USB : USB is active and is presently in use. (With USB option only)

5 USER FUNCTIONS

5.1 SWITCHING ON THE SCALE

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
The scale can be switch on and off from switch provided on the bottom side of the keypad. The scale when switched on shows the countdown	999999	999999	999999
SELECT CLERK : Press 1~4 to select clerk.. This step is shown only if clerk mode is enabled. See section 7.3.	* 000	* 00	user 1

5.2 SIMPLE WEIGHING :

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Place goods onto weighing plate. The weight Panel will show the weight of the goods.	! 220	* 00	* 00

7 CONFIGURATION SETUP

7.1 COMPANY NAME / FOOTER

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Switch off the scale. Press and hold down the print button and switch on the scale and the scale will countdown.	999999	999999	999999
After the countdown. The scale will show LINE 1.		l 1ne 1	
Use the numeric keypad and enter the company name upto 20 chars. Eg. SMART Axis. You can move forward and backward for text correction using the Left arrow (LABEL) and the right arrow (ADD) keys. Press TARE	smart	l 1ne 1	
Use the numeric keypad and Address Line 2 upto 20 Chars. Press TARE	del h1	l 1ne 2	
Use the numeric keypad and Address Line 3 upto 20 Chars. Press TARE	1nd1a	l 1ne 3	
Use the numeric keypad and setup footer upto 20 Chars and press TARE	thanks	footer	

7.2 TEST PRINT / CONFIGURATION PRINT

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press the FUNC button	func		
Press 8. The printer will print the current con	pr 1nt		

7.3 SCALE CONFIGURATION

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press the FUNC button & Press 4	func		
Clerk Mode : Press Add to change no to yes to enable clerk mode. Press Tare for next option	cl erk	enabl e	no
VAT : Press Add to change no to yes to enable VAT in ticket. Press Tare for next option	Uat	enabl e	no
Printer Enable : Press Add to change no to yes to enable or disable printer. This is required if	pr 1nter	enabl e	Yes

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 2 for PLU Sales Consolidated	rep 2	pl u	sales

6.4 CLERK WISE PLU SALES (Report No: 3)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 3 for PLU Sales - Clerk Wise	rep 3	pl u un	sales

6.5 HOURLY SALES SUMMARY (Report No: 4)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 4 for Hourly Sales Report	rep 4	hourly	sales

6.6 WEEKLY SALES SUMMARY (Report No: 4)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 5 for Weekly Sales Summary Report	rep 5	weekly	sales

6.7 WEEKLY SALES SUMMARY (Report No: 6)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 5 for Weekly Sales Summary Report	rep 6	month	sales

6.8 YEARLY SALES SUMMARY (Report No: 7)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 5 for Weekly Sales Summary Report	rep 7	yearly	sales

5.3 MANUAL TARE (Unknown Tare): The TARE BUTTON is used for taring a weight to display. A Tare value is indicated by the "tare" LED on the panel.

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Place the weight on the pan	* 220	* 00	* 00
PRESS TARE BUTTON The weight is tared and the machine will display weight zero and the tare LED will be ON.	* 000	* 00	* 00
To recall the tared weight, simply press the TARE button again. To TARE the value, again press the TARE button	* 220	* 00	* 00

5.4 MANUAL TARE (Known Tare): The TARE BUTTON can be used to Tare a known weight to display. A Tare value is indicated by the "tare" LED on the panel.

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 2+0+0 or 2+00 using the numeric keypad.	* 00	" 00	* 00
PRESS TARE BUTTON The weight is tared and the machine will display weight zero and the tare LED will be ON.	- * 200	* 00	* 00

5.5 ZERO OPERATION: Center of Zero is indicated by the zero LED on the panel. You can press the ZERO key to set the zero point from which all other weighing and counting is measured. The zero will function within 5% of the internal zero setting.

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Place the weight on the pan	* 200	* 00	* 00
PRESS ZERO BUTTON The weight is zeroed and the machine will display weight zero.	* * 00	* 00	* 00

5.6 COMPUTING PRICE (FOR ITEMS BY WEIGHT): With the PAX series POS scales you can either compute value for weighed items where prices are determined on per kg basis like (Vegetable, flour etc)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Place the commodity on the platter	! 200	* 00	* 00

PAX	PAX - POS SCALES	Owner's Manual	
	ENTERING THE PRICE. Enter the price per unit using the numeric keypad. Press 2+0+00	! 200	2*00 2\$00
	Remove the commodity from the platter	*000	*00 *00

5.7 COMPUTING PRICE (FOR ITEMS BY COUNT): With the PAX series POS scales you can also compute value for counted items like (Pepsi, Chocolates, Bottles etc) where prices are based on per piece rate.

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
ENTERING THE PRICE. Enter the price per unit using the numeric keypad. Press 2+0+00	*000	2*00	*00
Press the Pieces Button	pc 000	2*00	*00
Enter units sold using numeric keypad. Say 5	pc 005	2*00	10*00

5.8 STORING PLU's (Price Lookup Table): The standard POS scale has 299 PLU memories

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Make sure the scale reads weight as zero. To set your scale to zero press the "zero" button.	*000	*00	*00
ENTERING THE PRICE. Enter the price per unit using the numeric keypad. Press 2+0+00	*000	2*00	*00
Press the Zero Key and the display will show name	.	2*00	name
SETUP ITEM NAMES: Use the numeric keypad to setup item name. Numeric Keys will function like a mobile keypad (Similar to typing a SMS). Press Tare Key	potato	2*00	name
Now it will show Days. You can setup this value if you use a label printer. Press Tare	.	000	Days
VAT: You can set VAT associated with this item. 4 Type of VAT - A-D can be set. Set 0 for no vat. VAT can be selected using the ADD / LABEL buttons.	.	000	Uat 0

Owner's Manual	PAX POS SCALES	PAX	
Entering Transaction for Cust2 Now customer 1 has 3 items and customer 2 has say just 1 item. We can hold customer 1 and print slip for customer 2. Press the vendor button	*000	*00	uemd 1
Quickly press 2. Vendor will now change to vendor 2 and the V2 enunciator on the bottom will glow.	*000	*00	uemd 2
Recall PLU - 5	*000	1%00	banana
Place weight and press Add	add	*01	4&00
Remove Weight and Press Print. The slip will be printed with only 1 item for Customer 2	pr 1nt		
Return to Customer 1 by press Vendor and 1 in quick succession	*000	*00	uemd 1
Recall PLU 7 and press the add button in the same way as explained earlier.	add	*03	5%00

6 REPORTS

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
At zero, press the print button for 3 seconds and the scale will go into dump reports menu	rep	.	.

6.1 VAT REPORT (Report No: 0)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 0 for VAT Report.	rep 0	uat	report

6.2 PLU LISTING (Report No: 1)

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Press 1 for PLU List List 0 : For Defined List	rep 1	pl u	l 1st 0
Press Add Button to All List	rep 1	pl u	l 1st 1

6.3 PLU SALES (Report No: 2)

PAX	PAX - POS SCALES	Owner's Manual	
	Press the ADD button. The screen will show total items and total amount.	add	* 01 2\$00
	Remove the weight from the platter	* 000	* 00 * 00
	Press DISC key	* 000	* 00 dscnt
	Enter 10% as discount using numeric keys	* 000	1 * 00 dscnt
	Press Print Button. Ticket will have a ticket discount value of 10% on the overall total printed.	* 000	* 00 * 00

5.13 USING MULTIPLE VENDORS : At times many customer are in queue and user will want to hold a customers transaction and enter transaction for another customer. PAX series can hold / track upto 4 customer transactions at a time.

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Entering Transaction for Cust1 Enter the designated memory location using the number keys, say PLU – 11. Press PLU	* 000	* 11	* 00
Recall The PLU	* 000	2 * 00	potato
Place weight on the platter	! 200	2 * 00	2\$00
Press the ADD button. The screen will show total items and total amount.	add	* 01	2\$00
Remove the weight from the platter	* 000	* 00	* 00
Recall PLU - 10	* 000	1 * 00	orange
Place weight on platter	" 100	1 * 00	2! 00
Press Add and the display will shpw total items 2 and total amount.	add	* 02	4%00

Owner's Manual	PAX POS SCALES	PAX	
Select VAT D for item. Press Add 4 times and press TARE	.	000	uat d
DISCOUNT: Item level discount in percentage can be set.	.	000	dscnt
Set 5% as discount. Press 5+00. Press TARE	.	%00	dscnt
PLU Code: Enter the PLU number where you want to save using the numeric keypad	.	000	pl u
Save enter info into PLU 11. Press 11 and TARE	.	011	pl u
Display will return to zero after saving PLU	* 000	* 00	* 00

5.9 RECALL STORED PLU's

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Enter the designated memory location using the number keys, say PLU – 11. Press PLU	* 000	* 11	* 00
The PLU is recalled and the total price window a zero show the name of the item.	* 000	2 * 00	potato

5.10 MAKING A TRANSACTION

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Enter the designated memory location using the number keys, say PLU – 11. Press PLU	* 000	* 11	* 00
Recall The PLU	* 000	2 * 00	potato
Place weight on the platter	! 200	2 * 00	2\$00
Press the ADD button. The screen will show total items and total amount.	add	* 01	2\$00
Remove the weight from the platter	* 000	* 00	* 00

PAX	PAX - POS SCALES	Owner's Manual	
Recall PLU - 10	* 000	1 * 00	orange
Place weight on platter	" 100	1 * 00	2! 00
Press Add and the display will show total items 2 and total amount.	add	* 02	4%00
Remove the weight. Press Total Button	t t p	002	4%00
Press the CHANGE button	4%00	cash	bal nce
Using numeric keys Enter amount tendered by customer and press tare	4%00	10 * 00	bal nce
Slip will be automatically printed			

5.11 USING VOID TO CANCEL ITEMS

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Enter the designated memory location using the number keys, say PLU – 11. Press PLU	* 000	* 11	* 00
Recall The PLU	* 000	2 * 00	potato
Place weight on the platter	! 200	2 * 00	2\$00
Press the ADD button. The screen will show total items and total amount.	add	* 01	2\$00
Remove the weight from the platter	* 000	* 00	* 00
Recall PLU - 10	* 000	1 * 00	Orange
Place weight on platter	" 100	1 * 00	2! 00

Owner's Manual	PAX POS SCALES	PAX	
Press Add and the display will show total items 2 and total amount.	add	* 02	4%00
Remove the weight. Press Total Button	T t p	002	4%00
VOID: Assume the customer does not want to buy oranges and wants to cancel it. We use the void function. It can be used only if the ticket is not printed. Press ESC to return to zero	* 000	* 00	* 00
Press the VOID button and press enter	u1ew	Rec	001
The display will show 1 item in the transaction.	potato	2 * 00	2\$00
Press add to move to the next item Orange which is to be cancelled	orange	1 * 00	2! 00
Press Void now	del ete	rec	no
To delete change value from no to yes using the add button	Del ete	rec	yes
Press the TARE key	orange	2! 00	del etd
Press the print button. Deleted items will show void on the qty column and 0.00 in the amount column	pr 1nt		

5.12 USING TICKET DISCOUNT

Step Description	WEIGHT kg	UNIT PRICE	TOTAL PRICE
Enter the designated memory location using the number keys, say PLU – 11. Press PLU	* 000	* 11	* 00
Recall The PLU	* 000	2 * 00	potato
Place weight on the platter	! 200	2 * 00	2\$00