LE.3k



LE.3k OPERATIONS MANUAL E MAN07152021

Ce manuel est disponible en français à www.kilotech.com

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Introduction

Thank you for choosing a Kilotech Scale. We appreciate your business and hope that you will enjoy using your scale. Should you require support, we have a range of video's available on Kilotech academy or you can contact your local dealer from whom you have purchased. Happy Weighing!

General Precautions

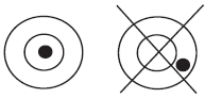
Avoid lengthy exposure to heat or cold.	Allow the scale to acclimate to normal room temperature before use.
Allow sufficient warm up time.	Turn the scale on and wait for a few minutes to allow the internal components a chance to stabilize before weighing.
Do not leave a load or weight on a scale for a prolonged period of time.	
Do not tamper with the scale yourself.	This will void the warranty. Contact your local distributor to properly repair your scale.
Do not dissemble the scale yourself.	This will void the warranty. Contact your local distributor to properly repair your scale.
Do not load beyond max cap the maximum weight limit.	
Do not pull the plug by its cord when unplugging.	
Do not use the scale near fire or corrosive gas.	
Avoid contact with water and DO NOT immerse the scale in water.	
Avoid placing the scale near a heater.	It could cause a fluctuation to the indicator reading.
Always make sure to use a Kilotech approved adapter.	
Do not drop the scale or apply a sudden shock.	
Do not drag the scale.	
Avoid exposing to other electromagnetic devices.	These devices emit RF and can cause unstable readings. If your scale should perform poorly, try moving the scale to a different room or location.
Level the scale or make sure it is on an even surface.	A scale used on an uneven surface may provide an unstable reading.
Scale should be used within stated temperature & humidity limits.	

Specifications

Product Number	**851340 / 881340**
Product Name	Integrator LE.3k
Capacity	30kg / 60lb
Graduation	0-15kg:0.005kg/15-30kg:0.01kg 0-30lb: 0.01lb/30-60lb:0.02lb :0.01kg
Weighing Modes	kg, lb
Display	Display Pole mounted, window displays including 4 LED screens and a dot matrix text screen for PLU descriptions
Display Digits	Display Digit 4 digit Tare / 5 digit Weight / 6 digit Unit Price / 6 digit Total Price
Power	21 V DC, AC adaptor
Product Dimensions	43 cm x 48 cm x 51 cm / 17 x 19 x 20 "
Platter Size	15.5 x 10" / 39 x 25 cm
Operating Temperature / Humidity	0°C - 40°C / 50°F - 104°F <60% RH non condensing 15% -85% Relative humidity non condensing
Pricing Units	$/kg , $/100g, $/lb, pcs
Unit price range	0.00 - 9999.99 $/kg or $/lb
Total price range	0-999.99$ (limited by bar code)
USB , Ethernet, WIFI and Serial Port	Yes, USB is for data transfer only
PLU	Max PLU 6500 PLUs (maximum 875 characters per PLU)
Printer Barcode Formats	EAN 13, EAN 8, UPC A, UPC E, EA -128 C, Customized by Authorized Dealer: QR, ITF25, PDF 417, EAN -128, EAN 28 char mode. As well, 20 preprogrammed barcodes
Printer	Direct Thermal Print - 56 mm print head
Image Formats	Maximum 15 images compatible with all common image files 300 x 200 DPI (black and white)(can not use all 15 on one label): BMP, JPEG, TFT, etc. Customized by Authorized Dealer
Speed Keys	126 with shift key, 63 without shift key
Label Formats	14 Preformatted , 3 sizes gap labels, 2 size labels for Nutritional Facts 58 40mm and 58 x 80mm. Nutritional Facts for Canada and USA. Labels are bilingual. Many more size options available for customized labels Programmed by your Authorized Dealer
Measurement Canada and NTEP approval	AM-5818
Warranty	2 year

Unpack and Setup

- Remove the scale from the box and place it on a firm, level surface.
- Avoid locations with rapid temperature changes, excessive dust, moisture, air currents, vibrations, electromagnetic fields, heat or direct sunlight.
- Adjust the leveling feet until the bubble is centered in the circle of the level indicator (located under the platter on the left hand side of the scale)



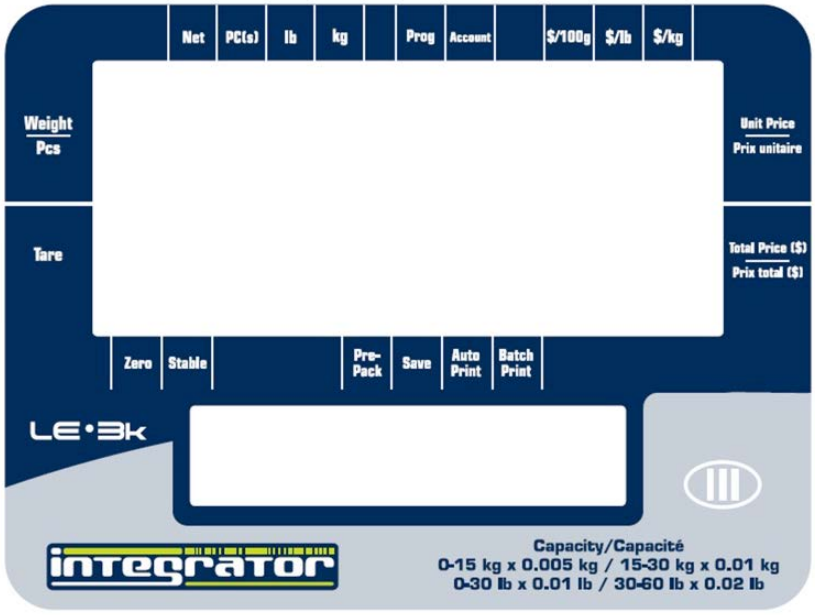
- NOTE: Ensure that the scale is level each time its location is changed.
- Connect the supplied AC adapter to the power input receptacle underneath the scale. Plug the AC adapter into a power outlet,
- If the scale will be stored or transported in the future, save the packaging material to ensure the best possible protection for the scale.

Contents

- Scale
- Adapter
- This Manual
- 1 roll of labels 58 x 40 product 862051 installed. Option 4 on Kilotech Label List.

Display and Keypad

Faceplate



Symbols on the Display

TARE Weight display window

- **Zero** Centre-of-zero annunciator
- **Stable** Scale stable annunciator

Weight/Pcs Weight /Pieces display window

- **Net** Net weight annunciator
- **PC(s)** Pieces mode annunciator
- **lb/kg** Unit price per kg/lb annunciator

Unit price / Prix unitaire Unit price display window

- **Prog** Program mode annunciator
- **Account** Account mode annunciator
- **$/100g, $/lb, $/kg** Pricing mode annunciator

TOTAL PRICE($) Prix total - Total price display window

- **Pre-pack** Pre-pack mode annunciator
- **Save** Save mode annunciator
- **Auto print** Auto print mode annunciator
- **Batch Print** Batch print mode annunciator

Keypad



Sale	Enter sale mode	Prog	Enter program mode
Account	Enter accounting mode	Time	Display current date and time
Feed	Feed a label and clear printer buffer	F-Prog	Fast program mode. Always used in combination with other keys
Pre-Pack, Auto, Batch	Switch between sales modes		
100g ¼lb, kg/lb	Switch between pricing units	→0←	Set the scale to zero
Shift	Access second level speed keys and change case sensitivity during text input	@Price	Override the unit price
Misc by-count	Miscellaneous by count transaction	Misc by-weight	Miscellaneous by weight transaction
→T←	Tare the scale	X	Input count: amount in count sale
Amend	Amend transaction data in sale interface and store amended data in the program interface	↑ → ↓ ←	Switch among sequential steps and numbers in the program and account interfaces
PLU	When you type a PLU number and press this key, it will call up that PLU	$/	Print labels or receipts according to settings
Back	Return to previous step without saving	Cancel	Clear data, cancel operations or go back to previous step
Accu/Confirm	Save accumulative transaction data into sale buffer		

Fast Program Mode

Press both key simultaneously.



: Used to program the selected speed key



: Used to enter PLU program mode



: Used to enter the spec setting mode

Weighing Operations

Key Functions



Zero

The zero key is used to zero out the small difference on the weight display.

The scale will display “Err” when the weight to be zeroed is outside the range.

If a tare is set, the ZERO key function is not available.



Tare

Weight tare: Place the receptacle (box, bowl etc…) on the scale, and when the reading is stable, press tare key to tare the weight.

Key tare: Key in known tare weight and press tare key.

To clear Zero or Tare, press their respective buttons.

The tare weight and unit price will be auto cleared after transaction is completed and item has been removed from the platter.



Save

When activated, this function will prevent auto clearing of the unit price or tare-weight.

When active, the save indicator is activated.

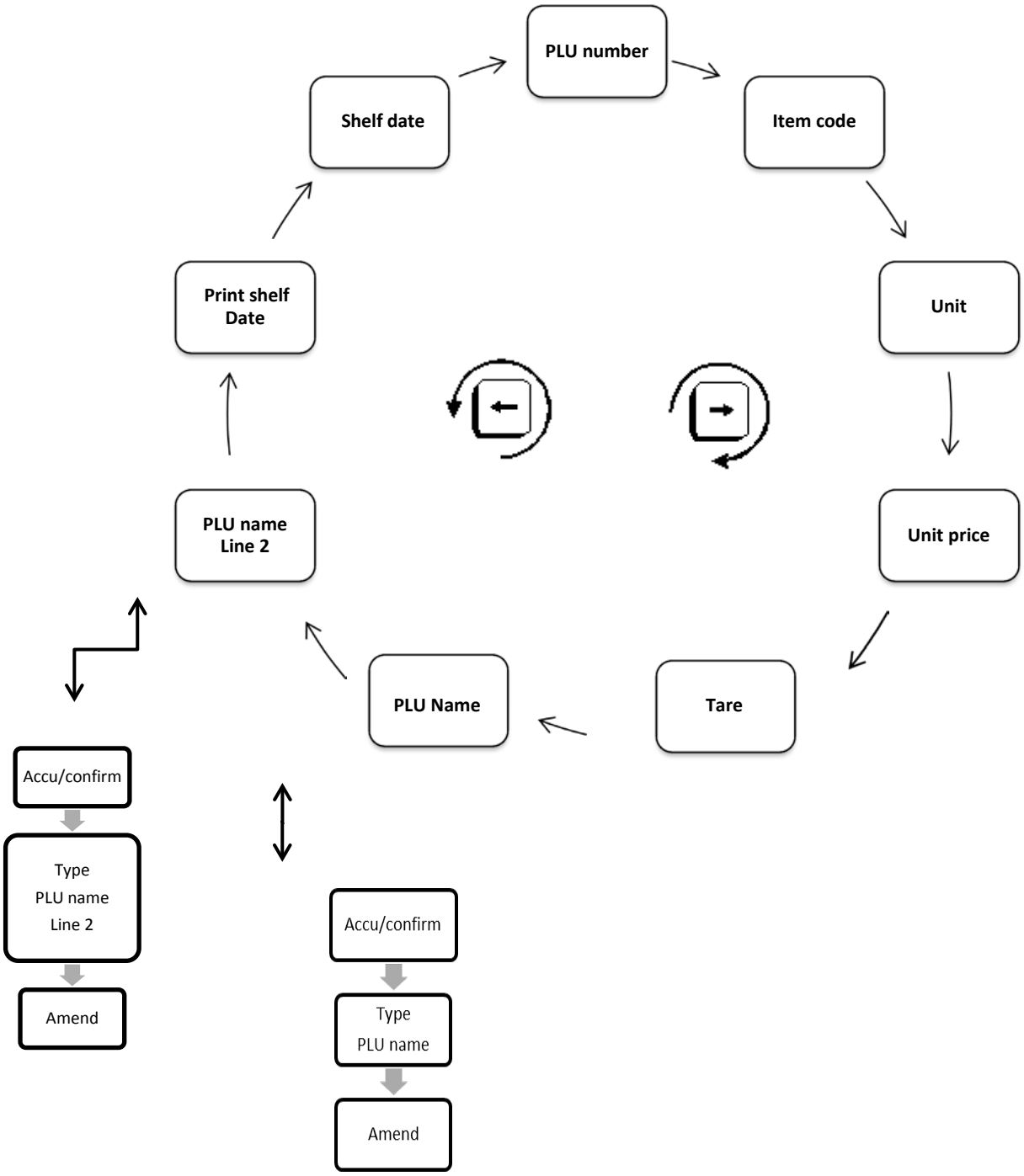


Units key

Use the key to shift between “kg”, “lb”. Note: Unit price will be set to zero during switching

You cannot switch units when a tare is active.

PLU Programming



To program a PLU with the F-program press the F-prog and PLU button You can press the right and left arrow keys to navigate up and down the PLU program menu, but you must provide a PLU number. Every PLU has 37 data fields. Many of the fields have been hidden by default. See “Select active PLU fields” for more details.

At any time, you may press the AMEND key to save or press CANCEL and return to the beginning of menu. To exit programing mode, press the SALE key.

How to program a PLU:

Press the **F-prog and PLU** key simultaneously



Select PLU number to be programmed and press right arrow key



Enter **Item code** and press right arrow key



Enter **weight unit code** and press right arrow key



Available unit codes are:
2: $/pcs
3: $/kg
6: $/lb
8:$/100g
9: $//¼lb (USA only)
Enter **unit price** and press right arrow key



Enter **cost** and press right arrow key



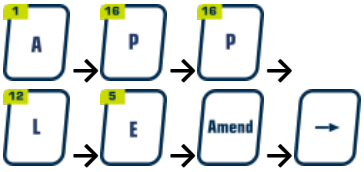
Enter **tare weight** and press right arrow key



To program the **PLU name** press the
Accu/Confirm key or press
the right arrow key to skip



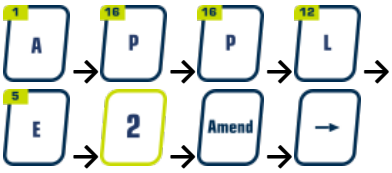
Program **PLU name** and press Amend
and right arrow key when finished



To program the **second line of the PLU name**
Press the Accu/Confirm key
(Behavior is the same as the PLU name field)
Or press right arrow key to skip



Program Secondary PLU name and press Amend and then right arrow key when finished



Program **best before date**
0: Do not print
1: print

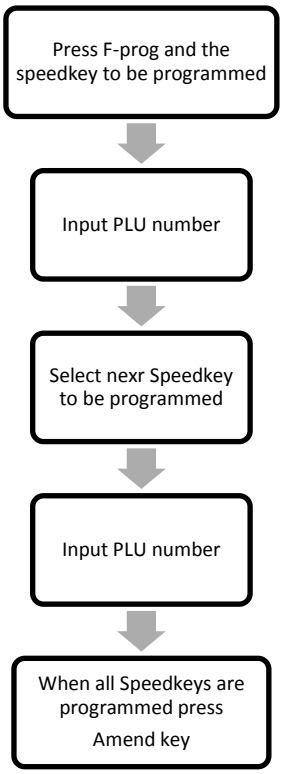


Program **Nutritional facts table** number
Press amend to save edited PLU and return to the beginning of the PLU editing screen



(leave at 0 when not in use)

Speed Key Programming



NB: To access the second level, press the shift key prior to selecting the speed key

F-Prog → 1 A ~ 63 IME :

Select **PLU number to be linked to the speed key** and select the next speed key.

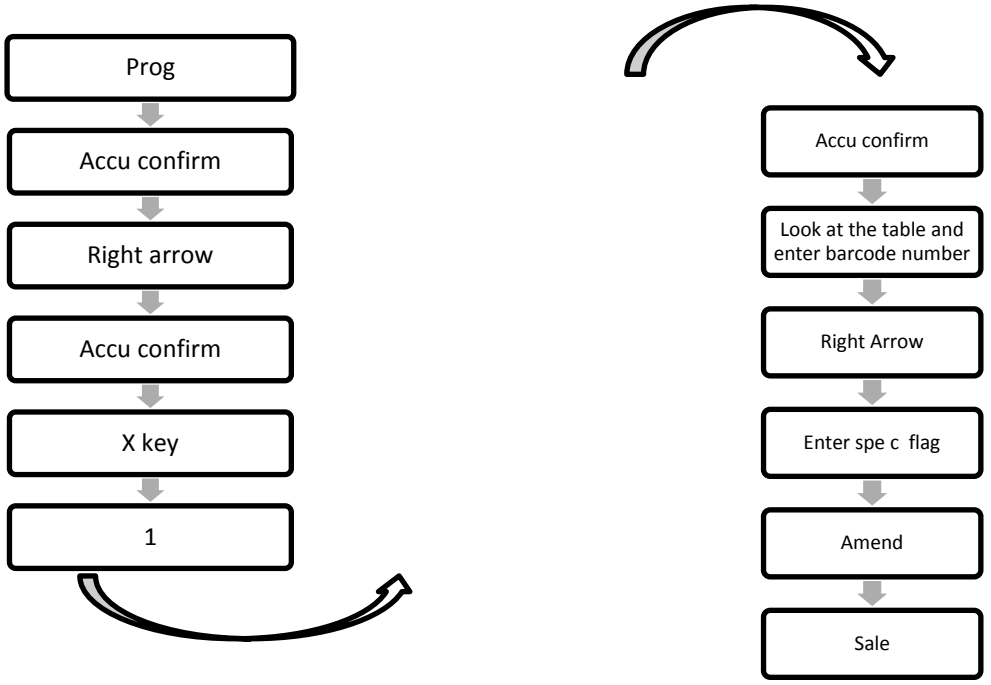
1 → 1 A ~ 63 IME :

Press Amend to save and return to normal mode.

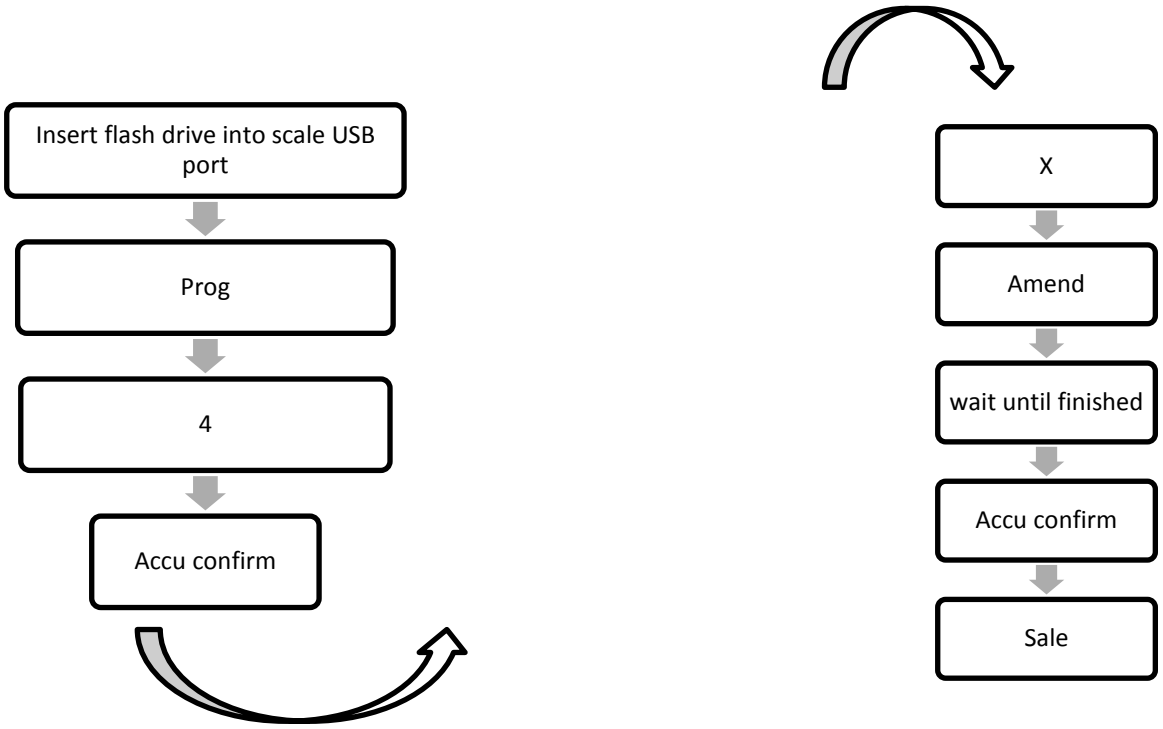
Amend

Barcodes:

The LE.3k has predefined barcodes. To select a global barcode please do the following:

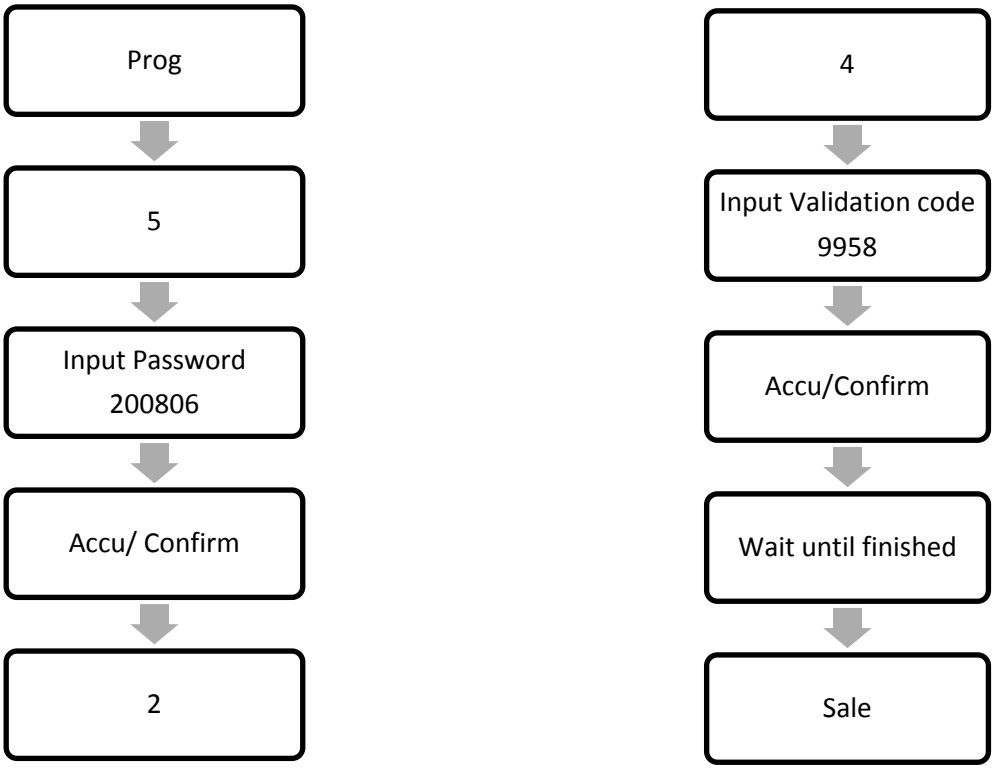


Backup All Data to USB Flash Disk

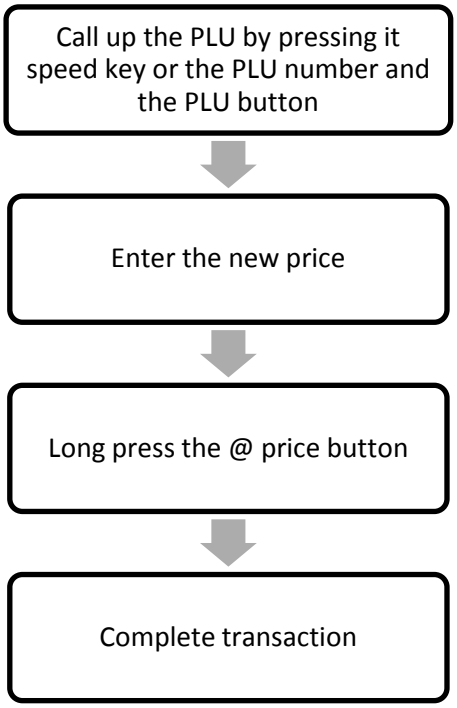


Note 1 Exporting data to files to USB flash drive can sometimes take a lot of time.
Note 2 Press any key to exit once completed. Press the cancel key to abort .

Factory Restore

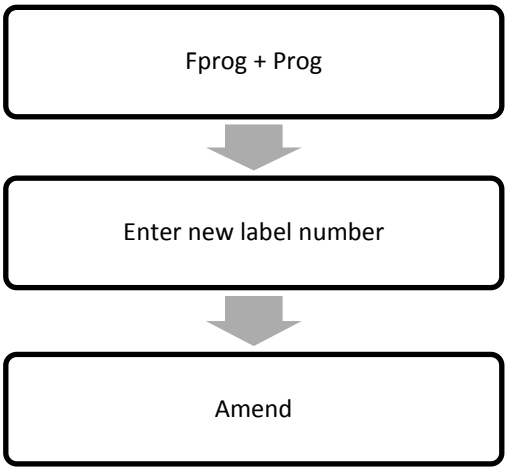


Changing the Price of the PLU on the Scale

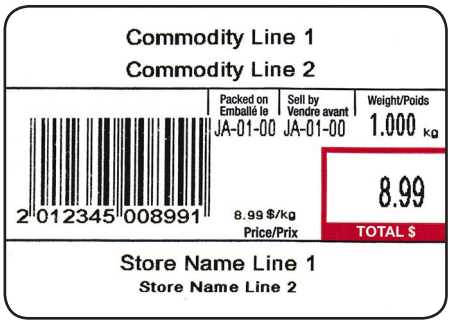


Label Formats

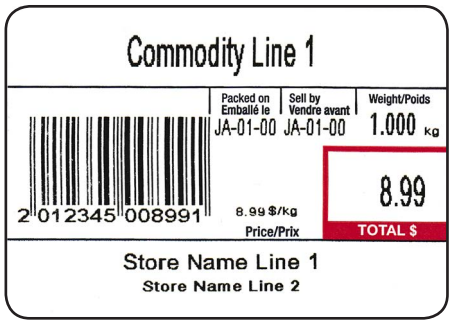
The LE.3k has multiple predefined labels barcodes. To choose a label format please do the following:



Labels



1 K862409



2 K862409

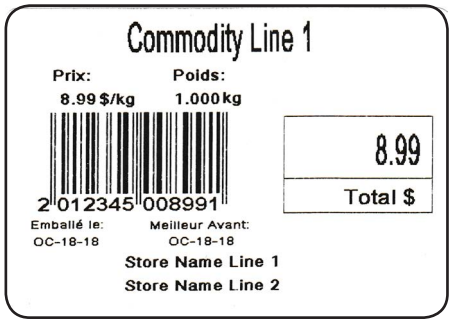


3 K862050

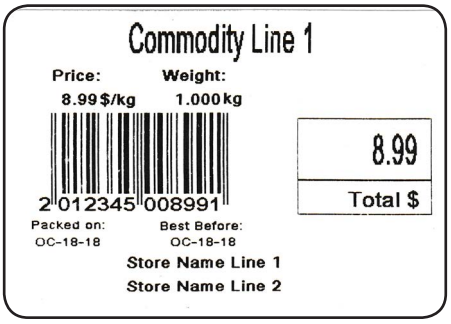
The number corresponds to the label choice from the LE.3k
The K number corresponds to the item number for ordering.
Le numéro correspond au choix du label du LE.3k
Le numéro K correspond au numéro d'article pour la commande



4 K862050



5 K862051



6 K862051



7 K862036



8 K862036



9 K862036

Labels



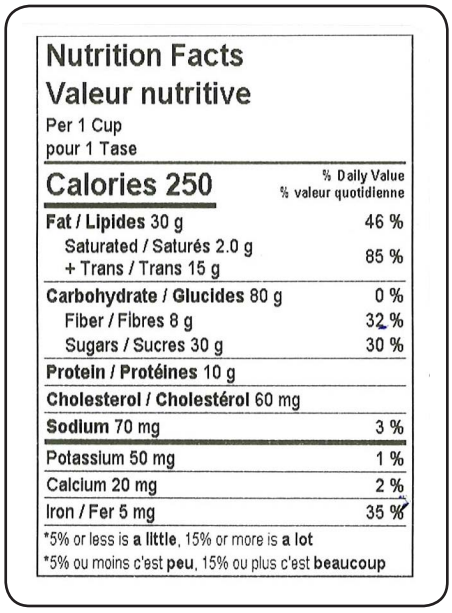
11 K862036



12 K862036

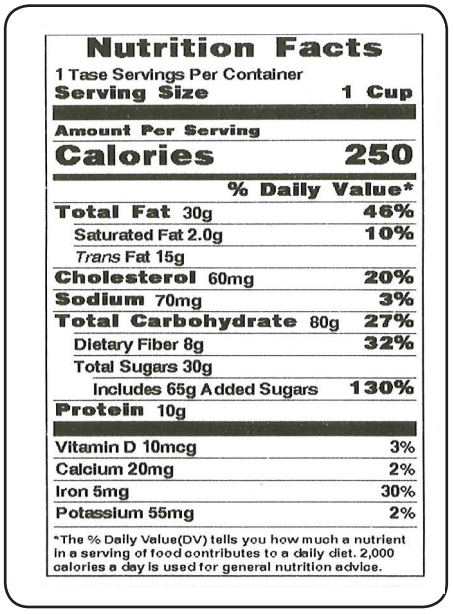


13 K862036



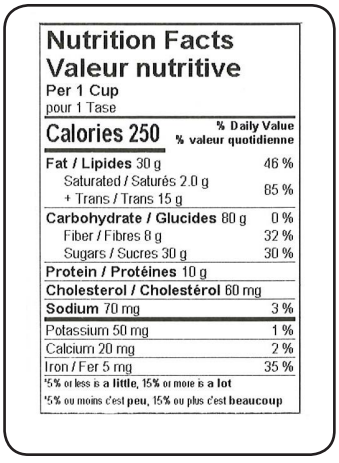
TVN Canada

10 K862036



TVN USA

10 K862036



Small NFT Format

14 K862051

Type	Item / Article	Model / Modèle	Size / Dimensions – Quantity / Quantité	Argox
1	862049	**LE.3k, Integrator C, KRS3000**, **LP16** or **KRS 1000PRS/RS**	58 x 40 mm – 700 labels per roll/étiquettes par roul.; 30 rolls/case / roul./caisse	✓
2	862050	**LE.3k, Integrator C, KRS3000**, **LP16** or **KRS1000PRS**	58 x 60 mm – 500 labels per roll/étiquettes par roul.; 30 rolls/case / roul./caisse	✓
4	862051	**LE.3k, Abacus, KRS3000**, **KCS 1000** or **ER Plus** Blank/Vide	56 x 40 mm – 600 labels per roll/étiquettes par roul.; 30 rolls/case / roul./caisse	✓
5	862036	**LE.3k, Abacus, KRS3000**, **CL5000**, **LP16** or **LPII** Blank/Vide	58 x 80 mm – 350 labels per roll/étiquettes par roul.; 30 rolls/case / roul./caisse	✓

Barcodes

Number	Format	Flag	Item Code	Price/Weight	Barcode digits												
					1	2	3	4	5	6	7	8	9	10	11	12	13
1	UPC-A	Flag= 1 Digit	Item Code= 5 Digits	Price= 5 Digits	F	I	I	I	I	I	P	P	P	P	P	C	
2	UPC-A	Flag= 1 Digit	Item Code= 5 Digits	Weight= 5 Digits	F	I	I	I	I	I	W	W	W	W	W	C	
3	UPC-A	Flag= 1 Digit	Item Code= 6 Digits	Price= 4 Digits	F	I	I	I	I	I	I	P	P	P	P	C	
4	UPC-A	Flag= 1 Digit	Item Code= 6 Digits	Weight= 4 Digits	F	I	I	I	I	I	I	W	W	W	W	C	
5	UPC-A	Flag= 2 Digit	Item Code= 5 Digits	Price= 4 Digits	F	F	I	I	I	I	I	P	P	P	P	C	
6	UPC-A	Flag= 2 Digit	Item Code= 5 Digits	Weight= 4 Digits	F	F	I	I	I	I	I	W	W	W	W	C	
7	EAN-13	Flag= 1 Digit	Item Code= 6 Digits	Price= 5 Digits	F	I	I	I	I	I	I	P	P	P	P	P	C
8	EAN-13	Flag= 1 Digit	Item Code= 6 Digits	Weight= 5 Digits	F	I	I	I	I	I	I	W	W	W	W	W	C
9	EAN-13	Flag= 1 Digit	Item Code= 7 Digits	Price= 4 Digits	F	I	I	I	I	I	I	I	P	P	P	P	C
10	EAN-13	Flag= 1 Digit	Item Code= 7 Digits	Weight= 4 Digits	F	I	I	I	I	I	I	I	W	W	W	W	C
11	EAN-13	Flag= 2 Digit	Item Code= 4 Digits	Price= 6 Digits	F	F	I	I	I	I	P	P	P	P	P	P	C
12	EAN-13	Flag= 2 Digit	Item Code= 4 Digits	Weight= 6 Digits	F	F	I	I	I	I	W	W	W	W	W	W	C
13	EAN-13	Flag= 2 Digit	Item Code= 5 Digits	Price= 5 Digits	F	F	I	I	I	I	I	P	P	P	P	P	C
14	EAN-13	Flag= 2 Digit	Item Code= 5 Digits	Weight= 5 Digits	F	F	I	I	I	I	I	W	W	W	W	W	C
15	EAN-13	Flag= 2 Digit	Item Code= 6 Digits	Price= 4 Digits	F	F	I	I	I	I	I	I	P	P	P	P	C
16	EAN-13	Flag= 2 Digit	Item Code= 6 Digits	Weight= 4 Digits	F	F	I	I	I	I	I	I	W	W	W	W	C
17	EAN-13	Flag= 2 Digit	Item Code= 5 Digits	Price= 4 Digits	F	F	I	I	I	I	I	S	P	P	P	P	C
18	EAN-13	Flag= 2 Digit	Item Code= 4 Digits	Price= 5 Digits	F	F	I	I	I	I	S	P	P	P	P	P	C
19	EAN-13	Flag= 2 Digit	Item Code= 5 Digits	Weight= 4 Digits	F	F	I	I	I	I	I	T	W	W	W	W	C
20	EAN-13	Flag= 2 Digit	Item Code= 4 Digits	Weight= 5 Digits	F	F	I	I	I	I	T	W	W	W	W	W	C
21	GTIN-14																

F= Flag
I= Item Code
P= Price
W= Weight
C= Check Sum
S= Check Sum for Price
T= Check Sum for Weight

EAN-13 EXAMPLE



UPC-A EXAMPLE



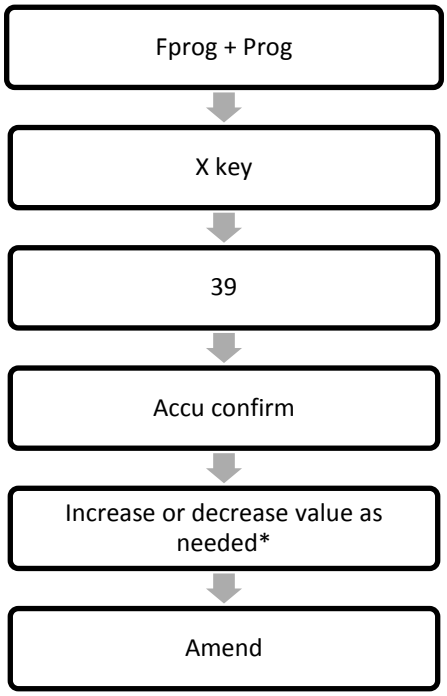
Minimum Height
For UPC-A 22.85mm
For EAN-13 22.85mm
For GTIN-14 31.75mm

GTIN-14
(GS1-128 or ITF-14)



Print Adjust

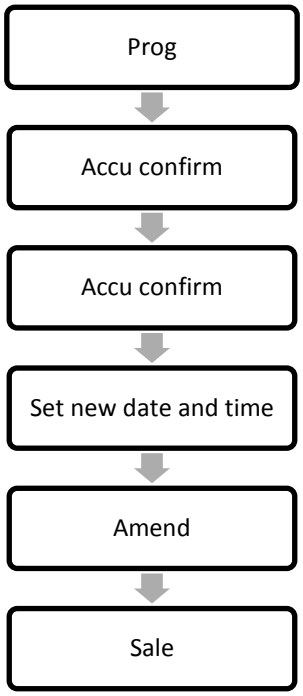
To adjust the print height, please do the following:



***1 increment = 1 pixel**
8 pixels = 1 mm

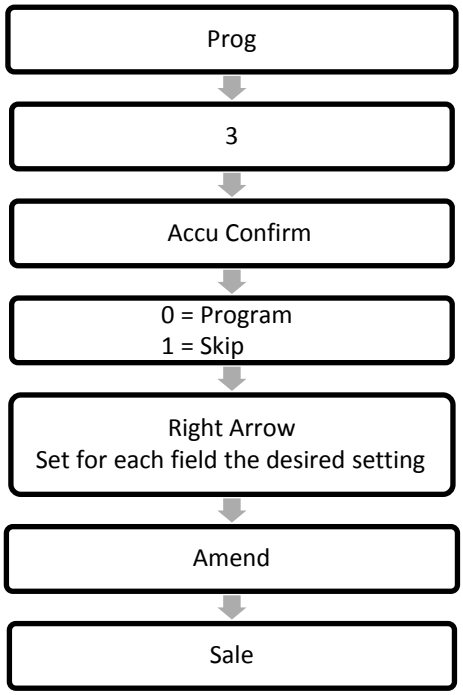
Set Time and Date

To adjust the date and time, please do the following:



Select Active PLU Fields

To select the fields used for PLU programming, please do the following:



Available fields

PLU Number
Item Code
PLU Index
Unit
Unit price
Cost
Tare
Print Format 1
Barcode1
Barcode Flag1
Print Format 2
Barcode 2
Barcode Flag 2
Parent Class
PLU Name
PLU Name Line 2
Ingredients Line 1
Ingredients Line 2
Ingredients Line 3
Ingredients Line 4
Ingredients Line 5
Ingredients Line 6
Print Sale Date
Print Sale Time
Print Pack Date
Print Pack Time
Print User Date
Print Pack date
User Date
Lower Discount
Higher Discount
DAO Sort
Tax Sort
Nutrition
Custom Number 2
Custom Number 3
Custom Number 4

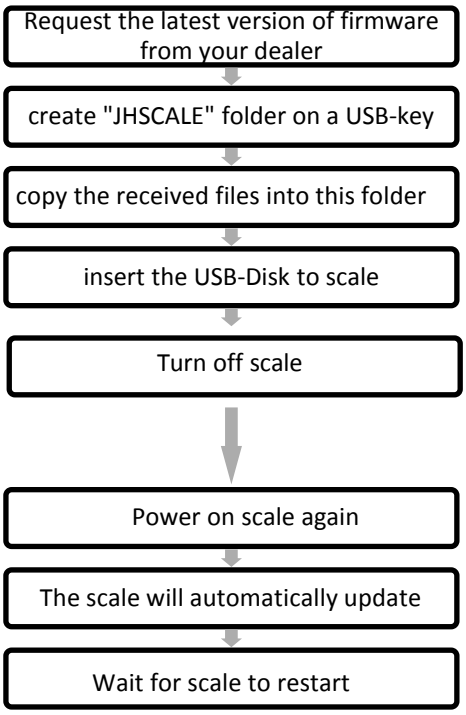
Error Codes

Err01:	The weight signal is too large.
Err02:	No proper data can be displayed.
Err03:	The weight signal is too small.
Err04:	Zero point is over the setting range.
Err05:	Zero point is below the setting range.
Err06:	Error in unit key operation.
Err10:	The EEPROM can't be accessed.
Err11:	The parameters are not matching with the backup data.
Err12:	The setting parameter(s) is not in normal range.
Err20:	There is an error in calibration.
Err30:	ADC is over max. range.
Err31:	ADC is below min. range.
Err40:	Recall error, no content stored.
CAP.:	Capacity.
UOL.:	Voltage.

St.PLU:	To set and store the indirect unit price.
ADDR. :	PLU address.
Unit:	Weighing units.
Rc.PLU:	Recall indirect unit price.
OUT.P.R:	Data is out of printed barcode range.
Data.ch:	Data has been changed.
Save:	Data is being saved.
O.RANGE:	The data has been entered or the weight for tare weight is out of range.

Firmware Update

To update the firmware of your scale do as follows:



- **NB: Updating firmware will erase all data on the scale.**
- **Make sure the firmware is compatible with your scale**
- **<u>Updating firmware is done at your own risk</u>.**

Spec Setting: User Mode

SpecID	Description	Note
0	Label: Item Print Format	Print formats. 0 = no print, 1~xxxx = selected print format
1	Label: Item Barcode Format	Barcode formats. 0 = no print, 1~xxxx = selected barcode format
2	Label: Item Barcode Flag	Default 2
3	Label: Item Print Times	Default 1
4	Label: Item Print Reversed	0: Normal, 1: Print 180°Reversed
39	Gap Paper: Pre-feed Distance	Reverse feed if number > 1000
104	Date Type	|0|:YYYY.MM.DD |1|:YY.MM.DD |2|:MM/DD/YY |3|:MM-DD-YY |4|:DD/MM/YY |5|:DD-MM-YY
106	Shelf Days	Number of days for global shelf life
192	Dot Matrix Screen: Idle Mode	|0|:Display Time |4|:Store Name |5|:Device Name |8|:Label text 1 |9|:Label text 2 |10|:Label text 3 |11|:Label text 4 |12|:Label text 5 |13|:Label text 6 |14|:Label text 7 |15|:Label text 8 |21|21:Special text 6 |22|:Special text 7 |23|:Special text 8
193	Dot Matrix Screen: Idle Mode Source	|0|:Display Accumulation |1|:Display AD-Message
256	Pre-Print Function	|0|:Disable |1|:Enable
265	Date Print Mode:Month	|0|:Digits |1|:Two Characters
266	Date Display Mode	|0|:Default |1|1:Using Spec104 and 265
340	Dot matrix LCD's contrast(0~7)	
341	Dot matrix LCD's brightness(0~31)	

Display Character Reference

Symbol	7-segments digit	Symbol	7-segments digit	Symbol	7-segments digit	Symbol	7-segments digit	Symbol	7-segments digit
0		C		O		(		Ï	
1		D		P		)		Ô	
2		E		Q				Ù	
3		F		R		À		Û	
4		G		S		Â		Ü	
5		H		T		Æ			
6		I		U		Ç			
7		J		V		È			
8		K		W		É			
9		L		X		Ê			
A		M		Y		Ë			
B		N		Z		Î			

Troubleshooting

Error code	Possible cause	Solution
E0.01	Scale is not stable at start-up	Make sure the tray is empty and stable
E0.02	Zero point signal is over or below the limitation	Make sure there are no goods on the platter and platter is correctly installed
E1.01	Programmed data is invalid	Input valid data again
E1.03	The selected print format does not exist	Set correct print format
E1.10	Sale at 0 price is forbidden	The price cannot be 0 Refer to Spec070
E1.11	Exceeds the largest sale price	Total price or grand total price exceeds the largest sale price
E1.12	Need to return to zero point	The weight must be at zero
E1.13	Exceeds accumulative limit	The accumulative times are greater than the buffer's accumulate limit
E1.14	Printer buffer overflow	Print the data in the buffer first then print this sale or switch to other buffers
E1.18	PLU is locked	The system needs to exit lock PLU (or auto mode) first
E1.21	Less than smallest sale weight	Weight needs to be larger than the smallest sale weight
E1.22	Larger than largest sale weight	Weight needs to be smaller than the largest sale weight
E1.23	Discounted Unit Price has to be less than the discount lower limit	Set Discount within allowed range, or amend the allowed range
E1.24	Discounted Unit Price has to be higher than the discount upper limit	Set Discount within allowed range, or amend the allowed range
E1.30	Cannot enter special sale mode	The selected PLU has a conflict with the special sale mode, select again
E7.01	Some keys are pressed when the scale starts	Check keyboard for obstruction
E7.01	The label has not been removed	Take away the printed label paper
E7.12	Print head is not closed tight	Install the paper and close the head
E7.13	Printer is not working	Please wait for a few seconds and try again
E7.15	Lack of gap paper	Reinstall the roll
E7.16	The scale cannot find the gap intervals	Reinstall the roll
E7.17	The scale cannot find gap alignment positions	Reinstall the roll
E7.18	The printer is overheated and it needs to cool down	Please wait a few seconds and try again
E7.19	There is no response from the printer	The printer may not be connected or in a state the printer could not print (Buffer overflow or error state)
E7.30	Alarm for full storage of deals records	Enter Account interface. Calculate and clear the reports

Notes