CELY

USER´S MANUAL

SC-100 SERIES

REF.:49-MCESC10EN01

CONTENTS

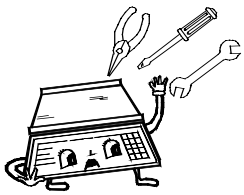
1 INTRODUCTION 1
2 IMPORTANT WARNINGS 1
3 INSTRUCTION OF INSTALLATION 2
4 NAME AND LOCATION OF IMPORTANT PARTS 3
4.1 KEYBOARD 3
4.2 GENERAL VIEW FINDER (LCD DISPLAY) 4
5 OPERATIONS 4
5.1 HOW TO WEIGHT A PRODUCT 4
5.2 HOW TO ENTER PRICES 5
5.3 HOW TO CLEAR WRONG PRICES 5
5.4 FIXED PRICE FUNCTION 5
5.5 USE OF THE "TARE" 5
5.6 HOW TO USE THE REFERENCE TO ZERO 6
5.7 HOW TO SAVE MEMORIES 6
5.8 HOW TO LOAD A MEMORY: 7
5.9 POWER OFF TIMER FUNCTION 7
5.10 USE OF THE BATTERY 7
5.11 BATTERY RECHARGE 7
5.12 LOW BATTERY INDICATOR 8
5.13 HOW TO TURN ON THE BACKLIGHT 8
6 OTHER IMPORTANT MESSAGES THAT APPEAR ON THE SCALE 8
7 MAINTENANCE AND CLEANING 10
8 TROUBLESHOOTING 10
8.1 POSSIBLE SOLUTIONS 10

1 INTRODUCTION

DEAR CUSTOMER:
We appreciate that you have chosen this product and we assure that you will get the maximum satisfaction of the new acquisition for your bussines. The scale has been designed to give you a great deal saving time and money, avoiding losses by human mistakes of interpretation and calculation, offering you more fluency and security in your commercial tasks. To make your equipment a long lasting investment, we suggest to read carefully this manual and make sure to keep it at hand for later consultations. In this manual we indicate the necessary steps to benefit and prolong your appliances availability.

2 IMPORTANT WARNINGS

3) **IN CASE YOU HAVE A PROBLEM WITH THE SCALE, FIRST READ THE THE WARRANTY CONDITIONS.**



2) **DO NOT OPEN THE SCALE ON YOUR OWN. YOUR WARRANTY WILL BE CANCELED.**

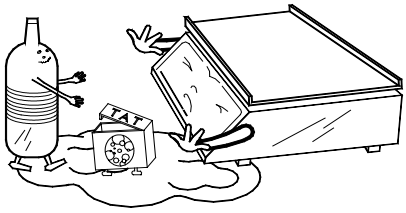
1) **"NEVER" PRESS THE KEYBOARD WITH OBJECTS SUCH AS PENCILS, PENS, KNIVES,ETC.**

5) **.USE A 220 V AC OUTLET EXCLUSIVE FOR THE SCALE AVOIDING OVERLOAD OR VOLTAGE VARIATIONS.**

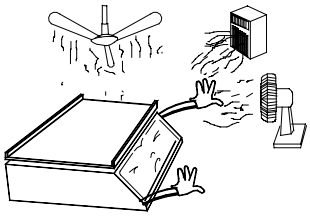
4) **"NEVER" WASH THE SCALE USING A FLOW OF WATER .THIS CAN DAMAGE THE ELECTRONIC COMPONENTS. FOR MORE INFORMATION READ "MAINTENANCE AND CLEANING" SECTION.**

6) **PROTECT THE SCALE FROM INSECTS(MAINLY FROM ROACHES) THEY CAN SERIOUSLY DAMAGE THE ELECTRONIC COMPONENTS. USE SOLID PRODUCTS AGAINST ROACHES.**

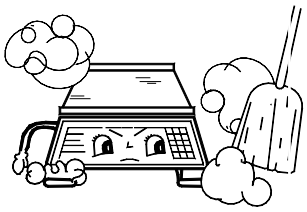
7) **DO NOT DROP OR HIT THE SCALE WITH THE PRODUCT TO BE WEIGHTED BECAUSE AS TIME GOES BY IT WILL DAMAGE THE WEIGHT SENSOR.**



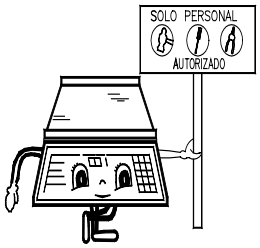
8) **DO NOT USE SOLVENTS OR DETERGENTS FOR CLEANING ONLY USE A DAMP RAG.**



11) **DO NOT PLACE FANS OR HEATERS DIRECTED TOWARDS THE SCALE**



10) **DO NOT PLACE THE SCALE WHERE THERE IS A LOT OF MOISTURE AND/OR DUST.**



9) **ONLY AUTHORIZED AND QUALIFIED PERSONNEL SHOULD CHECK AND REPAIR YOUR SCALE.**

3 INSTRUCTION OF INSTALLATION

1.- Unpack the scale and check the conditions of the product. If it is damaged report it inmediately to your authorized distributor.

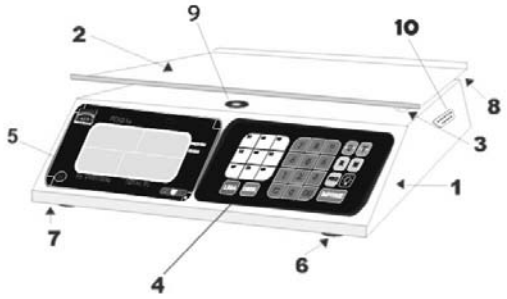
2.- Place the scale where there is not any movementor vibration, make sure it is leveled adequately checking that the four leveling bases are supporting the scale over the surface were it has been placed and if the level bubble (under the plate) is centered, to adjust, tighten or loosen the leveling bases until the bubble is in the center of the circle.

3.- Connect the AC/DC power supply (if you use it) to 220 V A.C. outlet.

4.- Turn the scale on after the countdown sequence your scale will display zeroes and will be ready to use.

IMPORTANT NOTE: If your scale displays "HELP" after you followed the previous steps and after the initial countdown, it means that it was handled roughly and/or got hit during the shipment, wich cause irreversible damage in its operation. Call your authorized distributor. Is possible that the scale displays “HELP“ when you turn it on with weight on the plate, when this happens, remove the weight and turn the scale off and then turn it on

4 NAME AND LOCATION OF IMPORTANT PARTS

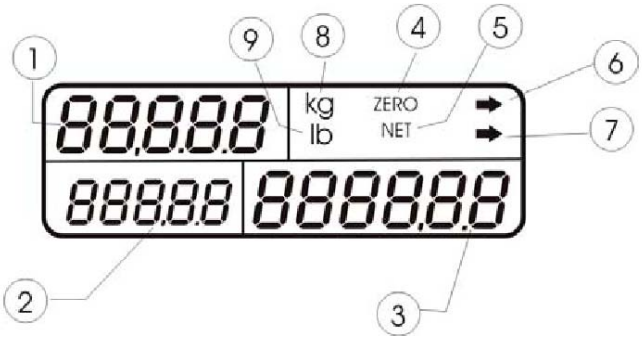


1. CABINET:	Manufactured in stainless steel and resistant to corrosion and strokes.
2. PLATE:	Also manufactured in stainless steel with the border bent and rounded.
3. PLATE HOLDER:.	Customer display.
4.-MEMBRANE KEYBOARD:	It has multifunctions, with big and readable keys..
5. GENERAL VIEW FINDER:	It shows the necessary information it has individual indicators upper left indicator, units indicator, "PRICE" indicator, "TOTAL" indicator.
6. LEVELING BASES:	They level the scale tightening or loosening them.
7.- JACK.-	Connects the AC/DC power supply to the scale
8. CUSTOMER VIEW FINDER	Inserted in the cabinet. It is used to level the scale.
9: LEVEL BUBBLE	Manufactured in aluminum that provides resistance to corrosion..
10. RS-232 PORT(OPTIONAL)	Serial communication port

4.1 KEYBOARD

1) ON Key used to turn on the scale.
2) OFF When this key is pressed the appliance turns off.
3) →0← This key is used to start with zero on the weight.
4) T This key is used to eliminate any containers weight that you do not wish to consider during a transaction (for example: boxes, bags, bottles, etc).
5) * It is used to store prices in a memory location of the scale.
6) PLU It is used to load a PLU price from memory.
7) 0,...,9 Numerical section: it is useful to enter data into the scale such as price per kilogram.
8) 00 Enter two zeroes.
9) C Key used to clear wrong data that has been entered with the keyboard. It is also used to eliminate the "FIXED PRICE" function.
10) F It enables the function "FIXED PRICE".
11) This function allow the print of the weight information shown in the display.
12) , ..., PLU's direct access keys.
13) Key used to turn on/off the backlight.

4.2 GENERAL VIEW FINDER (LCD DISPLAY)



1) **LEFT** indicator: shows the products weight in **KILOGRAMS.**
2) **PRICE** indicator: shows the price per **KILOGRAM** of the product. This price can have up to 5 digits.
3) **TOTAL** amount to pay indicator (" **TOTAL** "): shows the partial or total sale during a commercial transaction..
4) **ZERO** indicator: this reference to **ZERO** indicates that the scale is ready to start weighing products. The indicators disappear when a weight is placed on the scale.
5) **NET** indicator: indicates that the **TARE** function has been activated. This indicator disappears when you press the key.
6) **FIXED PRICE** indicator: when it is activated, indicates the price per **KILOGRAM** that is shown in the indicator will not

be cleared automatically when the product is removed from the scale (it is fixed).

7) **AC/DC POWER SUPPLY** indicator: it means that the scale was connected to the AC/DC power supply
8) **kg** indicator. The unit of measure is kilograms
9) **lb indicator**. The unit of measure is pounds. (only for scales in pounds)

5 OPERATIONS

5.1 HOW TO WEIGHT A PRODUCT

At the end of this countdown sequence, zeroes will appear in the view finder, indicating that the scale is ready to use.

If not, see reference to zero section. Then place the product to be weighed on the plate and you will see the weight in the corresponding indicator.

5.2 HOW TO ENTER PRICES

The products price per kilogram are entered pressing the numbers of the keyboard to indicate the desired value. This value will appear in the "PRICE" indicator and the total amount to pay will be calculated automatically being shown in the "TOTAL" indicator. For example, if the product price per kilogram in the previous examples is $8.20, just press 8 2 0 and the following display will appear:

5.3 TO CLEAR WRONG PRICES

When a mistaken price is entered, you can clear it in two ways:

a) **Manually**: Simply press the clear C key and enter the correct price.
b) **Automatically**: The price is automatically cleared removing the product from the plate, except if it's not enabled the fixed price function.

5.4 FIXED PRICE FUNCTION

When it is necessary to constantly be weighing the same kind of product, which don´t change its price, you can use the "FIXED PRICE" function. It is used to keep the price "FIXED" in the "PRICE" indicator avoiding it to be automatically cleared when the weight is removed from the scale.

To fix a price, follow these steps:

1.- Place the product on the plate.
2.- Enter the product price per kilogram.
3.- Press . F

After these steps, a small arrow will light up in the upper right corner of the "TOTAL" indicator, pointing to the label "PPACK" (fixed price). As an example, suppose that the product is ham, the weight is 4 kilograms, and the price is $2.70 per kilogram after entering the fixed price, the view finder will look like this:

To clear the fixed price function, just press the C key.

5.5 USE OF THE "TARE"

When you wish to weight a product in a container but you do not want to consider the containers weight during the
operation, you can use the TARE function. To use this function follow these steps:
Suppose you are going to weight 15 kilograms of sugar in a plastic container that weights 3.5 kilograms and that the price per kg is $1.80

1.- Place the empty container on the scale.

2.- Press T the key. After some seconds the view finder will display:

3.- Remove the container and put the sugar inside it. When you remove the container, a negative number (weight of the container) appears in the UPPER-LEFT indicator.

4.- Place the container on the scale and put sugar in the container until you have 15 kg. Then enter the price per kilogram press 1 8 0 .

To clear this function, just press the T key again. It is important to mention that this function is substractive from the scale maximum capacity. For example if you have a container that weights 7 kg, The scale only will be able to weight up to 33 kg of product to complete the maximum capacity.

5.6 HOW TO USE THE REFERENCE TO ZERO

This function has two uses:
a) Permanent tare: when you wish to weigh some products over a same container several times, you should use this function , and to eliminate it, just remove the container from the plate and press →0← key again. As in the tare function this function is also substractive from the scale capacity, for example: if you reference to 10 kg, the scale only will be able to weight up to 30 kg.
b) Due to voltage variance or some other factor, it is posibble that without having any weight over the plate, the view finder shows some weight, or the zero flag is not on, then press the key →0← and the scale will be referenced to zero, turning the zero flag on.

5.7 HOW TO SAVE MEMORIES

Your scale has 100 memories to store the prices of 100 products that are sold more frequently. The memories are numbered from 00 to 99.

To save a price in a memory location:
1) Type the price you wish to save.
2) Press * key.
3)Type the memory address (00-99) in wich you wish to save the price, or you also can press any of the direct access keys 1, ..., 9.

NOTE: We suggest to use an adhesive label to mark the direct access keys.

5.8 HOW TO LOAD A MEMORY:

1) Press the key PLU and then the memory address (00-99) you wish to load or just press any of the direct access keys , ..., .
Example:
If you wish to save $26.60 in the memory address 6, follow these steps:

1) Type . 2 6 6 0

2) Press . *

3) Type or just press the direct access key .

With this sequence the price is saved in the memory address 06. If you wish to load the memory of this example just type * 0 6 or just , and in the "PRICE" indicator will be displayed the price stored in memory, in this case will be $26.60.
To change the price stored in a memory just type the new price and store it in the memory address you want to change according the procedure described above. These keys are very useful to avoid the same price constantly typing. To use of these memories we suggest to have at hand the list product that are saved in each memory address.

To delete all the memories that are stored, turn the scale on and during the countdown type PLU and all the memories will be deleted to zero.

5.9 POWER OFF TIMER FUNCTION

This function is permanently enabled when the scale is on, and only when you do not have the AC/DC power supply connected to the scale. When the scale is not use for a period of time greater then 15 minutes, it will be automatically turn off and therefore all the information of the transaction you were doing will be lost. To turn on the scale again, just press the ON key, and repeat your customers operations. The power off timer function permit you to save electricity and avoids constant battery recharges.

5.10 USE OF THE BATTERY

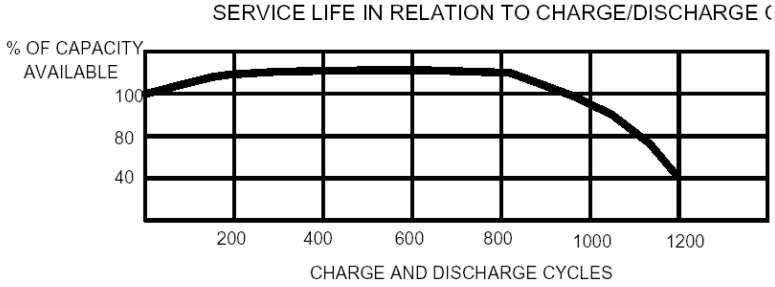
As mentioned before, the scale can operate with a 6 volt built in battery or with an AC/DC power supply. The battery is rechargeable using the AC/DC power supply.

5.11 BATTERY RECHARGE

To make this operation, just connect the AC/DC power supply to the scale for 10 HOURS making sure that the scale was turned off. When you recharge the battery for some hours, but the battery can not get enough charge to turn on the scale, then you must have to charge the battery, in this case contact to your authorized distributor.

LIFE TIME OF THE RECHARGEABLE BATTERY

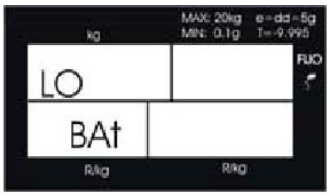
The charging capacity of the rechargeable battery in this scale decreases according to the number of



charge/discharge cycles, this causes the service life is reduced to 1000 cycles. For this reason the warranty period of the battery is limited to six months after the purchase date of the scale.

5.12 LOW BATTERY INDICATOR

If the battery does not have enough energy to keep the scale operating a long time, a blinking message appears in the display “LO Bat”. This is the first warning signal indicating that it is necessary to recharge the battery. Even with this signal, it is possible for the scale to keep on operating for a short period of time (30 minutes), but after a second warning the message "LO BAt" appears fixed in the display, the scale stops and turn itself off.



5.13 HOW TO TURN ON THE BACKLIGHT

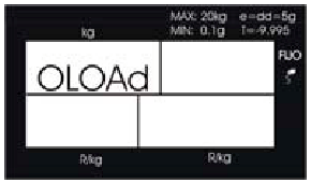
This scale model has a backlight that helps you to see the display information better. It can be turned on in two ways:
1) Automatically: when an AC adaptor is connected to the scale.

2) Manually: It can be performed by pressing the key.
And can be turned off in two ways:
1) Automatically: when the scale is powered only by battery and the battery is low the backlight is turned off.

2) Manually: It can be performed by pressing the key.

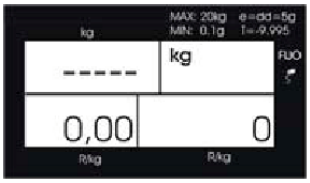
NOTE: Using the backlight and only powering the scale with the battery, the charge of the battery will last less hours

6 OTHER IMPORTANT MESSAGES THAT APPEAR ON THE SCALE



This message indicates that a weight that exceeds the maximum capacity has been placed on the scale. To correct it simply, remove the over weight.

This message appears in two different situations:
a) When the scale is turned on with an excessive weight on the plate (near to the half capacity of the scale). To correct this situation remove the weight that is on the scale, turn off the scale, and then turn it on again.
b) When the scale was handled roughly and/or got hitted during the shipment, wich caused irreversible damages in its operation. In this case call your authorized distributor.



This message indicates a negative weight, this could happen if you lift or remove the scales plate to correct this put the plate back in its place and press the →0← key or turn the scale off and then turn it on again.

This message appears when:
If we turn on the scale with a product on the plate, to eliminate this message simply remove the product that is on the scale, turn off the scale and then turn it on again.

This message indicates that the total was exceeded when the multiplication price per weight exceed 999999 then appear lines in the "TOTAL" indicator.

When this message blinks in the display, indicates that the scale needs to be recharged. Even with this advise the scale can continue working during a time of 30 min. If this appears and after some seconds the scale turns off , this indicates that the scale is completely discharged. In this point the scale doesn't work and all of the operations performed at that time will be lost. To correct this problem connect the AC/DC adaptor for a period of time of 10 hrs. and keeping the scale off. In case of using the scale during this period, there's no problem to use it, only the recharge time will be higher.

This arrow indicates that the scale is working under the "FIXED PRICE" mode.

This arrow indicates that the scale AC adaptor is connected to the 220 VCA

7 MAINTENANCE AND CLEANING

- Do not use a flow of water to clean your scale. Use a damp rag and clean each of these components daily: plate, cover, keyboard.
- To remove oil and greasy substances, use a dry and clean rag, rubbing the dirty area several times.
- Periodically check the jack (where the AC/DC power supply is inserted) to make sure it is in good condition, there are no signs of strokes or detachments.
- Periodically check the AC/DC power supply to make sure the ends are in good condition and the cable is not twisted or tangled.
- Regularly check the scale to assuring it of it´s correctly leveled with its four bases well supported.
- When you clean the scale make sure there are not any papers, or any other kind of material under the plate or under the plate-holder that could obstruct the adequate operation of your scale.
- Periodically place some type of insecticide on the scales base to avoid insects (especially roaches) that can dirty the interior and alter its adequate operation.
- Do not use detergents nor corrosive liquids while cleaning.
- Do not expose your scale to temperatures below -10 ºC (14 ºF) or above 40 ºC (104 ºF).

8 TROUBLESHOOTING

Before you call for service to your authorized distributor because of a malfunction in your scale, we suggest you first check this manual again to avoid a misunderstanding of the operation and use of the functions. If everything is correct, then try to correct the problem according to the following list since a simple checkup or a small adjustment could eliminate it. If you do not find the problem, contact your authorized distributor.

8.1 POSSIBLE SOLUTIONS

Problems	Possible cause	Solution
It does not operate	There is not electric current AC/DC Power supply cable has a false contact. Low battery.	With a multimeter check if there is electric current in the outlets. Check that the AC/DC power supply terminals, if it is possible, check with another AC/DC power supply. Connect the AC/DC power supply if the scale operates, then recharge the battery..
The scale shows different weights when the same product is weighed several times.	Material under the plate holder is obstructing the correct movement.	Check that there are not materials under the . plate holder. If there are, remove them and check the operation again.
The message “PLS. UnLOAD” appears in the view finder.	The scale was turned on with a weight on the plate or without the plate..	Remove the weight or put back the plate in its place. Turn off the scale and then turn it on again.
The word "HELP" appears in the "PRICE" indicator.	The scale was turned on with a big weight on the plate.	Renroymove the weight and turn off the scale and then turn it on again..

TECHNICAL SPECIFICATIONS	
Model	SC-100-20
Max. Capacity	20 kg
Min. Division	5 g
Max. Tare Max..	9,995 kg
Max. Price	Price $999.99
Range of operation temp	14 to 104 ºF (-10 to 40 ºC)
Range of storage temp	-4 to 122 ºF (-20 to 50 ºC)

REQUIREMENTS	
Voltage	220 V ca +/- 10%
Frecuency	60 Hz
Power consumption	8,5W

DECLARATION OF CONFORMITY

Nº of the notified body that carried out the EC Verification referred to the Council Directive 90/384/CEE: **0122**

Manufacturer:	**DIBAL, S.A.** **Astintze 20-24** **Pol. Ind. Neinver** **48160 – Derio SPAIN**
Type: **SC-100**	No of the EC type-approval certificate: **TCM 128 / 06 4355**

GB

This corresponds to the production model described in the EC type-approval certificate in accordance with the requirements of the Council Directive 90/384/EEC amended, according to the requirements of the following EC directives: 89/336/CEE, 73/23/CEE, examinations and tests referred to in EN45501-8.2.

In case of verification in two stages the validity of the declaration of conformity may depend on the documentation on the execution of the second stage of verification.

Ref. : 49-MCESC10EN01 Rev.: 01

12/01/07

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