

CELY

User's Manual



49-MCESPCEN03 Rev.: 03

SPC SERIES

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1 INTRODUCTION

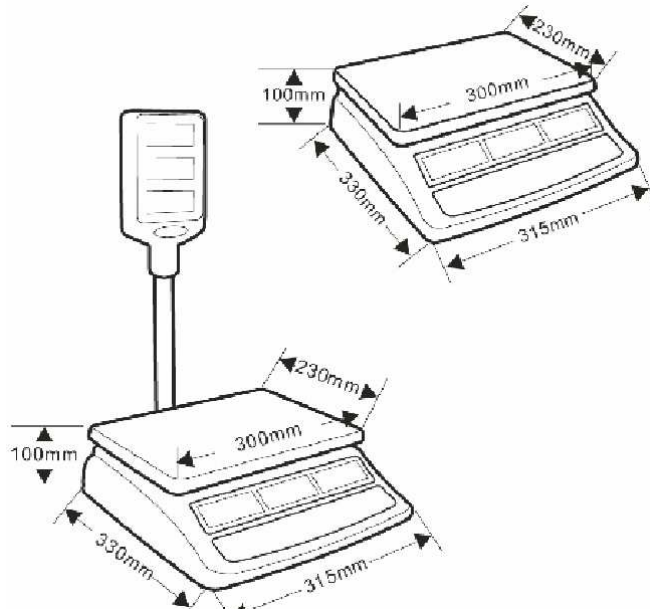
1.1. 1.1 CHARACTERISTICS

- ◆ Large LCD display
- ◆ AC / Rechargeable battery
- ◆ Stored 10 unit price (indirect PLU)
- ◆ Auto backlight

1.2. SPECIFICATIONS

Model	Capacity	Division
SPC-S	Flat Format	6kg 2g, 15kg 5g, 30kg,10g
SPC-T	Pole Display	6kg 2g, 15kg 5g, 30kg,10g

1.3. DIMENSIONS



1.4. INSTALLATION

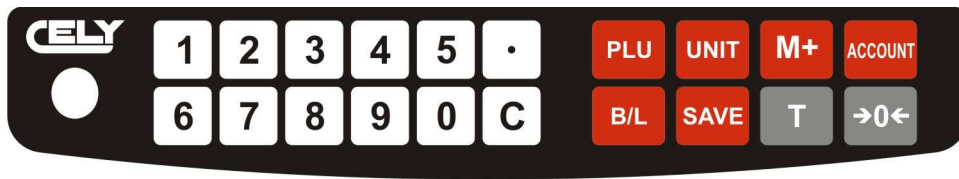
Keep the scale dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.

Avoid high humidity that might cause condensation. Avoid direct contact with water. Do not spray or immerse the scales in water. If scale meet water, reading data will be unstable, or scale will can't work correctly, please turn off the power immediately, warm the scale, or call your dealer.

Attach the main cable to the connector on the bottom of the scale. The power switch is located on the base near the front of the scale.

Power switch is at the right side of bottom cover, AC adapter jack also near the power switch, see attached drawing.

2 KEY DESCRIPTION




Each of the keys are shown and described for you.

- ZERO** The **ZERO** key zeroes the scale.
- TARE** The **TARE** key subtracts tare values and changes the **SPC** from gross mode (no tare) to net mode.
- SAVE** The **SAVE** key used to disable or enable the unit price and tare auto-clear Function
- B/L** The **B/L** key used to set the backlight mode (ON/OFF/AUTO).
- ACCOUNT** The **ACCOUNT** key is used to do memory recall, give change and memory clear in one time.
- M+** The **M+** key adds data to the accumulators. If the weight is less than 20d, total price of last time will be showed (**MR** function).
- UNIT** The **UNIT** key is used change unit(kg/100g).
- PLU** The **PLU** key is used to store unit price memory and recall unit price from Memory.
- C** The **C** key is used for canceling the memorized data.
- 0~9** The **NUMERIC** key (0~9) is used for setting unit price data.
- 00** Used to input two zero.

3 OPERATION

3.1. GENERAL INSTRUCTION

- 1 . When battery goes low, the indication  will be turned on automatically. It is the time to charge the battery with the AC power. If SPC goes on being used without proper charging, the display window will show "BAT LO" every 5 minutes, and SPC would be shut down automatically after 30 minutes of warning in order to protect the battery. Please charge the battery immediately, or SPC cannot be used.
- 2 . The display window will show color of orange when battery is being charged, and it will turn to color green when battery is fully charged.
- 3 . Before starting using **ASP**, please check if the bubble is in the middle of the level ; if not, please make appropriate adjustment.

3.2. BASIC OPERATION

3.2.1 Zero the scale

When there is no item on the scale but reading is not zero, press the **ZERO** key to turn on **ZERO** indicator. When the weight goes over 10 % of the full capacity, "read zero" function is obsolete.

3.2.2 Tare

Put container on the platter, once the weight reading is stable, press the **TARE** key, the **TARE** indicator will be on and the container's weight will be deducted. When it is time to clear the **TARE**, take off the container, and press **TARE** key again.

3.2.3 Overload Warning

Please do not add item that is over the maximum capacity. When reading "–OL–" and hear beeping sound, remove the item on the platter to avoid damage to the load cell.

3.2.4 Unit price setting

To trade with your SPC scale, it is necessary to setting a unit price of the goods, SPC then uses this unit price to determine how much that goods are on the platter.

When SPC scale displaying the weight of the goods placed on the scale, set the unit price through numeric keys. Set unit price is showed in **UNIT PRICE** window display, **TOTAL PRICE** window display shows the total price of the goods. To cancel the previous unit price, press **CANCEL** key .

3.2.5 Change unit

You can use the **UNIT** key to change unit(kg/100g). Press **UNIT** key will change the weighing unit circularly, and the pertinent indicator will on.

3.3. UNIT PRICE MEMORY

The scale model SPC can store 10 sets unit price.

3.3.1 Save the unit price

Hold the **PLU** key for 3 seconds after you key in the unit price, it will show "save pos PS 0-9" , press numeric key **0~9** to select which memory location you want to use. After you do, the unit price is stored in the scale.

3.3.2 Load the unit price

If you want to use the unit price stored in the **scale**, press **PLU** key, SPC will shows "load pos PL 0-9", press numeric key **0~9** to select which memory location's price you want to use, current unit price will change to the value stored in the memory.

3.4. Other function

3.4.1 Backlight

The scale have three backlight mode: on, off and auto.

ON: backlight will turn on however current weight is zero or not Zero

OFF: backlight will turn off however current weight is zero or not zero

AUTO: backlight will turn on when current weight is not zero and it will turn off if current weight is zero

You can press **B/L** key to set backlight mode, display will show current backlight mode, press **SAVE** key to select backlight mode (ON/OFF/AUTO), after you select, press **TARE** key to sure.

3.4.2 Automatic unit price clear

The scale can set automatic unit price clear, when return to zero, SPC will clear the unit price automatically.

Press **SAVE** key will turn on / off automatic unit price clear function, when **SAVE** indicator on, automatic unit price clear disable, when **SAVE** indicator off, automatic unit price clear enable.

4 SETTING OF PARAMETERS

4.1. ENTER SETTING MODE

To set the parameters it is necessary to enter a secure menu. This is done by entering a password number when requested.

To enter the parameter menus press the **TARE** key during the initial counting of the display after power turned on. The Weight Display will show "P n " requesting the password number to be entered.

Press the "0" key four times. The display will show "Pn- - -", Press the **TARE** key.

The Parameter menu has 16 functions that can be accessed using the **SAVE** key to cycle through the choices. The Weight Display will show the name of the functions. Also you can press 0 to select F0, and key 2 to select F2..... To enter a function press the **TARE** key. At any time press the **ZERO** key to return to weighing.

4.2. PARAMETER SETTING TABLE

Weight Display	Description
F0 CAL	Please short K6 before setting. When the parameter menu show "F0" press the TARE key. The display will then show "UNLOAD" to request all weight be removed from the platform. After STABLE indicator on, press the TARE key to set the zero point. The display will then show the calibration weight requested, press the TARE key to accept it. The display will show "LOAD". place the calibration weight on the scale. After STABLE indicator on, press the TARE key. The scale will calibrate and then start the initial check procedure counting form 9 to 0. Remove the weight during the counting.
F1 RES	Set external resolution, press SAVE key to change (3000/60000/duag range), press Tare key to sure.
F2 UNIT	Not available
F3 CAPA	Set capacity, Press SAVE key to select, press TARE key to sure..
F4 POINT	Set weighing decimal point, press SAVE key to select, press TARE key to sure.
F5 POINT	Set price decimal point, press SAVE key to select, press TARE key to sure.
F6 INIT ZERO	Not available
F7 RE ZERO	Not available
F8 SCSTIUE TARE	Not available
F9 A-D COUNTS	Displays the A/D counts.
F10 cntry	Not available
F11 Fractn	Set half/quarter/100g/unit key function on or off(on/off).
F12 RS- 23 2	It has to be ALWAYS OFF
F13 Printr	It has to be ALWAYS OFF
F14 baud	Set baud rate, this parameter will available when F12 set as not off, you can select 2400bps, 4800bps, 9600bps, 19200bps
F15 mode	Set communication mode, you can select 7E1(7 data bits, 1 stop bit, even verify), 7O1(7 data bits, 1 stop bit, odd verify), 8n1(8 data bit, 1 stop bit, no verify),
F16 scale	Set scale mode, you can select 0,1,2,3 1/2/3 are all mutual mode by RS-232, normally, set scale mode as 0
F17 percnt	Set percentage tare mode, you can set as on or off. When se this parameter as on, you can use percentage tare function, enter a values from numeric keyboard, hold tare key for 3 second, %tare indicator on, scale in %tare mode, the goods put on your platter will tare the values you have set automatically.
F18 label	Set label format, not available
F19 grv	Set gravity value, input your local gravity value
F20 scale	Scale mode, not available

5 BATTERY OPERATION

The scales can be operated from the battery if desired. The battery life is approximately 70 hours.

When the battery needs charging the arrow above the low battery symbol under the weight display will turn on. The battery should be charged as soon as the arrow above the symbol is on. The scale will still operate for about 10 hours after which it will automatically switch off to protect the battery.

To charge the battery simply plug into the mains power. The scale does not need to be turned on.

The battery should be charged for 12 hours for full capacity.

Just under the **TOTAL PRICE** display is an LED to indicate the status of battery charging. When the scale is plugged into the mains power the internal battery will be charged. If the LED is green the battery has a full charge. If it is Red the battery is nearly discharged and yellow indicates the battery is being charged.

As the battery is used it may fail to hold a full charge. If the battery life becomes unacceptable then contact your distributor or Adam Equipment.

Note: new batteries are shipped partially charged. Before you can use your scale, you need to install and charge the battery, as indicated by the following instructions.

Some batteries perform best after several full charge/discharge cycles.

Battery performance depends on many factors, including your backlight setting and operate.



Never use any charger or battery which is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes direct connection of the + and - terminals of the battery (metal strips on the battery) for example when you carry a spare battery in your pocket. Short-circuiting the terminals may damage the battery or the connecting object.

Do not dispose of batteries in a fire.

Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.

Avoid charging under airless conditions.




To maximize your battery's performance:

- Always use Original batteries and AC adapter. The scale warranty does not cover damage caused from using non-original batteries and/or battery chargers.
- The rating of AC adapter output is 9V, but normal output range will be 11V~15V
- New batteries or batteries that have been stored for long periods of time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F).
- Over extended periods of time, batteries gradually wear down and require longer charging times.

This is normal. If you charge your battery regularly and notice a decrease in operate time or an increase in charging time, then it is probably time to purchase a new battery.

6 ERROR CODES

Error Codes	Meaning
ERR 4	Current weight exceed set zero limit , thus cannot reset to zero
ERR 5	Keyboard error
ERR 6	Load cell not connected or Load cell damaged

DIBAL	DECLARATION OF CONFORMITY DECLARATION DE CONFORMITE KONFORMITÄTSERKLÄRUNG DICHIARAZIONE DI CONFORMITA DECLARACION DE CONFORMIDAD DECLARATIE DE CONFORMITATE	  
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N° of the notified body that carried out the EC Verification referred to the Council Directive 2009/23/EC:
 N° de l'organisme notifié, qui a effectué la surveillance CE en conformité avec la directive 2009/23/EC.
 Nr. der zur CE-Eichung zugelassenen Stelle nach europäischer Richtlinie 2009/23/EC:
 N° del Organismo Notificado encargado de la Verificación CE conforme a la directiva 2009/23/EC:
 N° dell'Organismo Notificato che ha eseguito la sorveglianza CE in riferimento alla direttiva del consiglio 2009/23/EC:
 Nr. de certificare obtinut de Comisia Metrologica a CE in conformitate cu Directiva 2009/23/EC:

0122

Manufacturer: Fabricant: Hersteller: Fabricante: Producator:	DIBAL, S.A. Astintze 20-24. Pol. Industrial Neinver 48160 – Derio SPAIN	General Manager: Javier Deniz Gento Date/Data/Datum/Fecha/Data: 28/Mayo/2010
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Type: Typ: Tipo: Tip:	SPC	No of the EC type-approval certificate: N° du certificat d'approbation CE de type: Bescheinigungsnr. der EC Bauartzulassung: Nr. certificato d'approvazione CE del tipo: N° de certificado de aprobación CE de tipo: Nr. certificat de aprobare tip CE:	T7708
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GB	<p>This corresponds to the production model described in the EC type-approval certificate in accordance with the requirements of the Council Directive 2009/23/EC amended, according to the requirements of the following EC directives: 2004/108/CEE, 2006/95/CE, examinations and tests referred to in EN45501-8.2.</p> <p>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.</p>
F	<p>Correspond au modèle décrit dans le certificat d'approbation CE de type, selon les exigences de la Directive 2009/23/EC modifiée conforme aux exigences des directives CE suivantes: 2004/108/CE, 2006/95/CE, examens et essais en conformité avec la norme européenne EN45501-8.2.</p> <p>En cas de verification en deux étapes la validité de la déclaration de conformité peut dependre de la documentation sur l'exécution de la deuxième étape de la verification.</p>
D	<p>Entspricht dem Baumuster, der in der Bescheinigung über die EU Bauartzulassung beschrieben wird, nach den Anforderungen der Richtlinie 2009/23/EC bestimmt, ergänzt durch folgende Anforderungen der Richtlinien: 2004/108/CE, 2006/95/CE, Prüfungen und Versuche nach EN45501 Abs. 8.2.</p> <p>Bei der Eichung in zwei Stufen kann die Gültigkeit der Konformitätserklärung vom Nachweis der Durchführung von der zweiten Stufe der Eichung abhängen.</p>
I	<p>Corrisponde al modello descritto nel certificato di approvazione CE del tipo, ai requisiti della direttiva del consiglio 2009/23/EC e successive modifiche ed ai requisiti delle directive CE seguenti: 2004/108/CE, 2006/95/CE, esami e verifiche secondo la normativa europea EN45501 app. 8.2.</p> <p>Nel caso di verifica dello strumento in due fasi , la validità della dichiarazione di conformità può dipendere dalla documentazione della verifica della seconda fase</p>
P	<p>Corresponde ao modelo descrito de acordo com o certificado de aprovação CE, em conformidade com as exigências das seguintes Directivas CE: 2009/23/EC, 2004/108/CEE, 2006/95/CE, provas e verificação segundo a normativa europeia EN 45501 alínea 8.2.</p> <p>Em caso de verificação em duas etapas a validade da declaração de conformidade pode depender da documentação da execução da segunda etapa da verificação.</p>
E	<p>Corresponde al modelo descrito en el certificado de aprobación CE de tipo, según las exigencias de la Directiva 2009/23/EC modificada conforme a las exigencias de las Directivas CE siguientes: 2004/108/CE, 2006/95/CE, exámenes y comprobaciones según la norma europea EN45501 apartado 8.2.</p> <p>En caso de verificación en dos etapas la validez de la declaración de conformidad puede depender de la documentación sobre la ejecución de la segunda etapa de la verificación.</p>
RO	<p>Corespunde cu modelul inregistrat in Certificatul de Aprobare de Model tip CE , in accord cu cerintele Directivei 2009/23/EC completata cu urmatoarele hotarari CE:2004/108/CEE, 2006/95/CE verificate si testate conform Normelor Europene EN45501-8.2.</p> <p>In cazul verificarii in doua etape, validitatea Declaratiei de Conformitate poate depinde de documentatia de la a doua verificare.</p>

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