

# Swift SWZ SERIES

(with EC type Approval)

Software rev: V 1.09 & above



**Easy Reference:**

Model name of the balance:	
Serial number of the unit:	
Software revision number (Displayed when power is first turned on):	
Date of Purchase and Address:	
Name and address of the supplier:	

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P.N. 3.02.6.6.13677, Rev. C, December 2018

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**WARNING:**



Please read carefully following instructions for installation and use before starting your work with a new balance. Failure to use the balance in accordance with the advice in the user manual could mean that the product gives incorrect readings

## 1.0 INTRODUCTION

The **Swift (SWZ)** series of digital price-computing scales are EC Type approved for computing price by weight.

### 1.1 FEATURES

- Stainless steel weighing platform
- Level indicator with adjustable levelling feet
- Colour coded, sealed keypad
- Large 3 x 6 digits backlit liquid crystal displays (LCD)
- Displays for **Weight**, **Unit Price** and **Total Price** (or Price to Pay)
- Displays on both front and back panels (Optional user display on pillar)
- Price per 100g and per kilogram (Not applicable for South Africa and Far East)
- Auto-sleep function
- Auto clear function
- Real Time Clock (RTC) and date
- RS-232 bi-directional interface
- Battery operated for portability
- 90 hours battery life when fully charged
- Up to 161 Prices (PLU) stored for easy access

## 1.2 SPECIFICATIONS

	SWZ 3D	SWZ 6D	SWZ 15D	SWZ 30D	SWZ 3DP*	SWZ 6DP*	SWZ 15DP*	SWZ 30DP*
Maximum Capacity	1.5Kg / 3kg	3kg / 6kg	6kg / 15kg	15kg / 30kg	1.5Kg / 3kg	3kg / 6kg	6kg / 15kg	15kg / 30kg
Readability	0.5g / 1g	1g / 2g	2g / 5g	5g / 10g	0.5g / 1g	1g / 2g	2g / 5g	5g / 10g
Repeatability (S.D)	1g / 2g	2g / 4g	4g / 10g	10g / 20g	1g / 2g	2g / 4g	4g / 10g	10g / 20g
Linearity (+/-)	1.5g / 3g	3g / 6g	6g / 15g	15g / 30g	1.5g / 3g	3g / 6g	6g / 15g	15g / 30g
Pan size	300 x 210 mm							
Operating Temperature	-10°C to 40°C							
Battery life	90 hours typical. Battery Life is less when the backlight is used.							
Power	External power adapter 12vDC 800mA							
Interface	RS-232 bi-directional interface English, German, French, Spanish, Italian, Portuguese selectable text							
Date/Time	Real Time Clock (RTC), To print date and time information (Dates in year/month/day, day/month/year or month/day/year formats- Battery backed)							
Display	Backlit LCD with 15mm - high digits							
Housing	ABS Plastic with Stainless Steel Pan							
Overall Dimensions	315 x 355 x 120 mm				315 x 400 x 530 mm			
Net Weight	4.2 kg				4.5 kg			

**\*NOTE:** SWZ-P models have the Pillar Display.



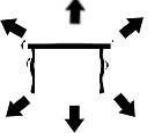
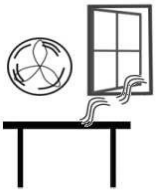
	SWZ 3D	SWZ 6Da	SWZ 6D	SWZ 15Da	SWZ 15D	SWZ 30Da	SWZ 30D	SWZ 60Da	SWZ 3DP	SWZ 6DPa*	SWZ 6DP*	SWZ 15DPa*	SWZ 15DP*	SWZ 30DPa*	SWZ 30DP*	SWZ 60DPa*
Maximum Capacity	1.5Kg / 3kg	3lb / 6lb	3kg / 6kg	6lb / 15lb	6kg / 15kg	15lb / 30lb	15kg / 30kg	30lb / 60lb	1.5Kg / 3kg	3lb / 6lb	3kg / 6kg	6lb / 15lb	6kg / 15kg	15lb / 30lb	15kg / 30kg	30lb / 60lb
Readability	0.5g / 1g	0.001lb /0.02lb	1g / 2g	0.02lb / 0.05	2g / 5g	0.05lb / 0.01lb	5g / 10g	0.01lb / 0.02lb	0.5g / 1g	0.001lb /0.02lb	1g / 2g	0.02lb / 0.05	2g / 5g	0.05lb / 0.01lb	5g / 10g	0.01lb / 0.02lb
Pan size	300 x210 mm															
Operating Temperature	-10°C to 40°C															
Battery life	90 hours typical. Battery Life is less when the backlight is used.															
Power	External power adapter 12vDC 800mA															
Interface	RS-232 bi-directional interface English, German, French, Spanish, Italian, Portuguese selectable text															
Date/Time	Real Time Clock (RTC), To print date and time information (Dates in year/month/day, day/month/year or month/day/year formats- Battery backed)															
Display	3 x 6 digits backlit LCD displays															
Housing	ABS Plastic with Stainless Steel Pan															
Overall Dimensions	315 x 355 x 120 mm / 124 x 140 x 47 inch									315 x 400 x 530 mm / 124 x 158 x 209 inch						
Net Weight	4.2 kg									4.5 kg						

**\*NOTE:** SWZ-P models have the Pillar Display  
SWZ-a models USA only

## 2.0 INSTALLATION

### 2.1 LOCATING THE SCALES

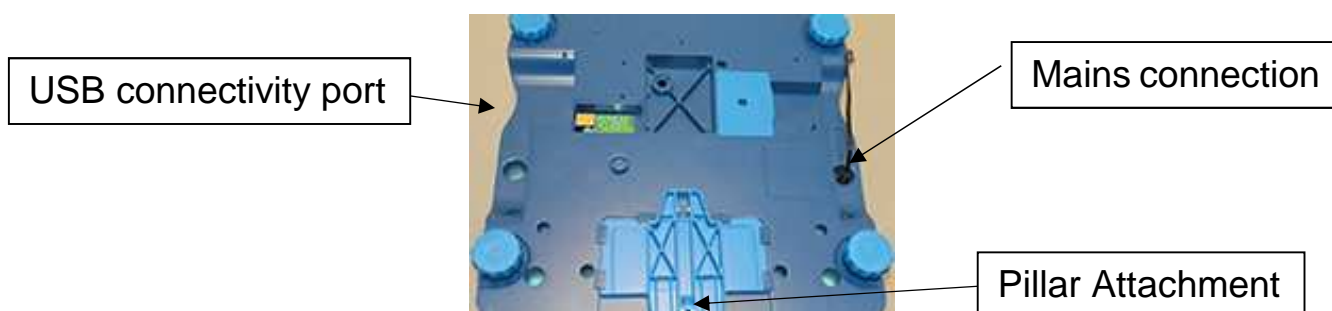
The scales should not be placed in a location that will reduce the accuracy:

	<ul style="list-style-type: none"><li>• Avoid extremes of temperature. Do not place in direct sunlight or near air conditioning vents.</li></ul>
	<ul style="list-style-type: none"><li>• Avoid unsuitable tables. The table or floor must be rigid and not vibrate.</li></ul>
	<ul style="list-style-type: none"><li>• Avoid high humidity that might cause condensation. Avoid direct contact with water. Do not spray or immerse the scales in water.</li></ul>
	<ul style="list-style-type: none"><li>• Avoid air movement such as from fans or opening doors. Do not place near open windows or air-conditioning vents.</li><li>• Keep the scales clean. Do not stack material on the scales when they are not in use.</li></ul>

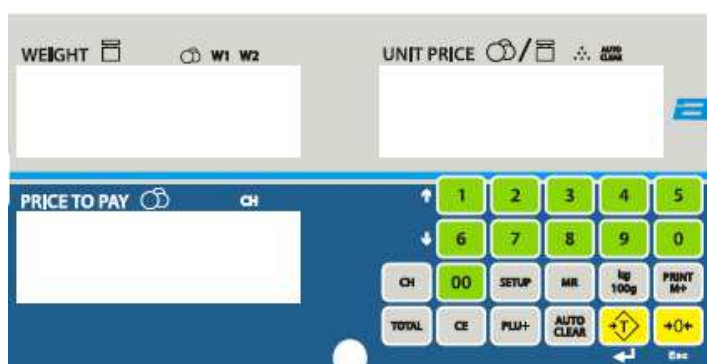


## 2.2 SETTING UP THE SCALES

- 1) Place the stainless steel platform (supplied separately) into the receptacles on the top cover.
- 2) Do not press with excessive force as that could damage the load cell inside.
- 3) If an optional scoop has been supplied, place it on top of the platform.
- 4) If an optional display on Pillar is supplied, install the pillar into the socket at the rear of the scale by carefully pushing the cable inside the pillar rod. Use 2x M4 screws to secure.
- 5) Level the scale by adjusting the four feet until the spirit level bubble is in the centre of the level and the scale is supported by all four feet.
- 6) Turn the power ON by pressing the power button on the keypad.
- 7) The unit will display the software revision number in the **Weight** window and count down to zero while performing a self-test.
- 8) When ready all three displays will show zero.



## 2.3 DISPLAY WINDOWS



The window for the **Weight** has arrows to indicate when the scale is at zero or if the scale is displaying a net weight (if a tare value has been entered). It also indicates when the scale is stable.

The window for the **Unit Price** has arrows to show when the Auto Clear function is active and if the unit price is per 100g or per kilogram

**NOTE:** Unit price per 100g or per kg is not available in South Africa or the Far East.

The window for the **Price to Pay** displays the number of items on the scale.

*The above display panel is also available with French, German, Spanish, Italian and Portuguese and text or with symbols for Weight, Unit Weight and Price to Pay.*

## 2.4 BATTERY CHARGING

The battery icon can be found in the weighing display on the top left-hand side of the display. To charge the battery, simply switch the main power ON. The scale need not be turned on.

The battery can operate for up to 90 hours when fully charged or less if the backlight is on. The battery should be charged for 12 hours for full capacity.

If the battery icon is empty, the scale will still operate for about 15 minutes after which it will automatically switch off to protect the battery from getting damaged.

If the battery has not been used properly or it is used for a number of years it may eventually fail to hold a full charge. If the battery life becomes unacceptable then contact your distributor or Adam Equipment.

In order to check the battery voltage press **[Setup]** and scroll through the menu till you see "Recharge", then press **[Tare]** ← key to select it and the battery voltage will be shown in the Unit price window. If the scale is connected to mains the Price to Pay window will show the current in mA.

## 3.0 KEY DESCRIPTIONS



**[0-9]**

Numeric entry keys to set the unit price.

**[00]**

Numeric entry key to enter double zero values e.g. press [2] and [00] to show 2.00 on the display

**[CE]**

Clears an erroneous entry or return to normal operation.

**[PLU+]**

Stores or recalls a PLU value from one of the stored 161 PLU values.

**[Tare]** or  key

Sets the scale to display zero weight when an empty container is placed on the platform or removed again.

**[CH]**

The change key displays the total price to pay by subtracting unit weight from the unit price value.

**[Total]**


The total key provides the total price to pay by multiplying unit weight by the unit price value.

**[MR]**

The memory key shows the 2 most frequently used Weight, Unit Price and Price to Pay values.

**[Setup]**

Brings up the setup menu for changing date, time, power etc

**[Zero]** or  key

It sets the zero when the platform is empty and no tare value is entered.

**[Auto Clear]**

Allows the user to automatically reset the unit price to zero, when the weight is removed.

**[Kg 100g]**

It selects the unit price per kilogram or per 100g.

**Note:** This key is not available for South Africa and Far East models

**[Print M+]**

It sends the results of the current displays to the RS-232 interface.

## 4.0 OPERATION

### 4.1 ZEROING THE DISPLAY

Steps:

- 1) You can press the **[Zero]/→0←<sup>Esc</sup>** key when no tare is entered to set the zero point from which all other weighing is measured.
- 2) When the zero point is obtained the **Weight** window will show an arrow next to the Zero legend marked under the **Weight** window.
- 3) The scale has an automatic re-zeroing function to account for minor drifting or accumulation of material on the platform. However you may need to press **[Zero]/→0←<sup>Esc</sup>** if weight is displayed whilst the platform is empty.

### 4.2 TARING

Taring is used to eliminate the weight of a container so that only the net weight is displayed.

Steps:

- 1) Zero the scale by pressing **[Zero]/→0←<sup>Esc</sup>** if necessary. The zero indicator will be on.
- 2) Place an empty container on the platform. The weight of the container will be displayed.
- 3) Press **[Tare]** ↵ to zero the scale. The displayed weight is then stored as the tare value and that value is subtracted from the display, leaving zero on the display. The **Net** indicator will now show. As product is added only the weight of the product will be shown.
- 4) When the product and container are removed the weight window will show a negative value. To use a different container, remove this negative tare value by pressing **[Tare]** ↵ once more.

### 4.3 DETERMINING VALUE OF A PRODUCT BY WEIGHT

To determine the cost of a product sold by weight, it is necessary to enter the cost per kilogram or per 100g using the numeric keys or one of the pre-set PLU values.

The **Weight** window will show the net weight, the **Unit Price** window will show the price per kilogram or per 100g as selected by the **[kg 100g]** key. The **Total Price** window will show the computed value for the total price.

#### Example:

	Display will show		
	Weight (in kg)	Unit Price	Total Price
Place a container on the scale and Press <b>[Tare]</b>	0.000	0.00	0.00
Place the items on the platform	1.300	0.00	0.00
Key in the unit price	1.300	5.00	6.50

Press the **[kg 100g]** key to change the calculation to a price based on the cost per 100g or the cost per kilogram.

If a different unit price is required either press **[CE]** to reset the unit price to 0.00 or simply enter a new unit price.

**NOTE:** For South Africa and Far East, unit weight per 100g or per kg is not available.

#### 4.4 ENTERING VALUES FOR THE PLUs

To store values for the **[PLU+]** key into the memory follow the procedure:

- 1) Enter the unit price value using the keypad, selecting either price/kg or price/100g if needed.
- 2) Press the **[PLU+]** key, then select "Store" (using digits [1] or [6] to change the selection); once selected press **[Tare]** ↵ key. Display will show "PoS 0" on the price to pay display.
- 3) Enter any number (00 up to 161) for saving the unit price in the desired position. For example, press **[1]** and **[4]** for the position 14. It will show "PoS 014". Press **[Tare]** ↵ key) to save it.
- 4) To change the earlier saved value against a particular PLU, simply repeat the process.

#### 4.5 USING A STORED PLU VALUE FOR UNIT PRICE

Product Look-Up (PLU) numbers are used to store information about the most commonly used items. Using SWZ, the PLU values can be stored as either cost per kilogram or cost per 100g. During the weighing operation, the user can recall the cost per kilogram or per 100g of a particular item very easily using the PLU values.

**The individual PLU values should be entered against specific items before the weighing process starts so that the desired PLU's can be recalled during the weighing process.**

The user can store and recall up to 161 PLU values (PoS 001 to PoS 161) using the **[PLU+]** key.

To recall one of these PLU values the following procedure applies:

- 1) To recall a PLU value, press **[PLU+]**. The display will show "store" or "recall" – press digits [1] or [6] to change the selection and then press **[Tare]** ↵ key
- 2) Once selected, display will show "PoS 0" on the Price to Pay display. Enter a number (00 to 161) and press **[Tare]** ↵ key to save the value against the number selected.
- 3) Once complete, the value can be recalled by selecting "recall" using the previous steps and entering the saved PLU number.

If the item is loaded on the pan, the **Price to Pay** window will show the total cost. If nothing is loaded, only the PLU value saved for the location will be displayed in the **Unit Price** window and the **Price to Pay** window will display "0,00".

## 4.6 AUTO CLEAR KEY

The **[Auto Clear]** key will enable the Auto Clear function.

When this function is active the scale will automatically clear (set the unit price to zero) when the last item to be weighed has been removed from the scale.

When the Auto Clear is active the Auto Clear indicator (arrow) on the LCD will be ON.

Pressing **[Auto Clear]** will turn off the function and the indicator will disappear. Pressing it will turn the function to ON again.

## 4.7 PRICE PER KILOGRAM AND PER 100 GRAM- [Kg 100g] KEY

Pressing the **[kg 100g]** key will change the scale from using a price per kilogram to price per 100g. This will show on the display:



This information is also saved for the PLU values that are stored in the memory.

**NOTE:** This is not applicable for SWZ for South Africa and Far East.

## 4.8 AUTO SLEEP FUNCTION

If there has been no movement on the keypad or when the scale is not used for some time (as pre-set by the user under this function) it automatically switches off. To set this parameter:

- 1) Press **[Setup]** key and scroll through the menu using the **[1]** or **[6]** digits until you come to "Power"
- 2) Select Power using **[Tare]** ↵ key and then choose the amount of time you want (e.g.: 1, 2, 5, 10, 15 minutes or OFF) by using the **[1]** or **[6]** digits
- 3) Press the **[Tare]** ↵ key to select the amount of time until this function activates or to turn this off.

## 4.9 BACKLIGHT OPERATION

The backlight may be enabled or disabled by the user. If the backlight is disabled the battery life will be maximised, when in operation the battery life will depend on usage.

## To set the backlight:

- Press the **[Setup]** key to bring up the setup menu, then use the digits **[1]** or **[6]** to scroll through until “**b**” is displayed.
- Press the **[tare]** key to select.
- The price to pay display will provide options for “**on**”, “**off**” or “**auto**”. Press the **[Tare]** ↵ key to select the preferred mode.

When “on” or “auto” selected you can set the brightness level by pressing **[Tare]**↵ key and then using the digits **[1]** or **[6]** select: “Low”, “Mid” or “High”.

## Backlight operation

When the backlight is set to automatic control it will only turn on when the scale is being used, when there is weight on the platform or when a key is pressed.


It will turn off automatically after a few seconds when the weight is zero or after a while, the last key was pressed.


### 4.10 KEY SOUND BEEPER

To turn ON or OFF the key sound beeper press **[Setup]** and then use the digits **[1]** or **[6]** to scroll through until you find “**KEY bP**”. Press **[Tare]** ↵ key to select it and then select “ON” for activate the sound or “OFF” for deactivate it, using the digits **[1]** or **[6]** to scroll. Press **[Tare]** ↵ key to save your option.

### 4.11. NON WEIGHED ITEMS

1) For non-weighed items enter the unit price and press **[TOTAL]** key.

2) The price is transferred to the Weight window; the units (g or kg) disappear and an arrow will point to the  symbol.

3) In the Unit price window an arrow will point to the  pieces symbol. Enter the number of pieces and the Price to Pay window will show the Total price to pay.

4) To enter a new quantity of the same non weight item, you can exit using the **[Esc]** key or pressing **[TOTAL]** key again and then enter the new quantity and the new price to pay will be displayed.



## 4.12 CHANGE FUNCTION

The change function allows you to calculate the correct change for both weight and non-weight items.

- 1) When Total price to pay is shown in the Price to Pay window, press **[CH]** key and total price goes to Weight window.
- 2) Type the amount of tendered which will be shown in the Unit price window and the amount of change will be displayed in the Price to pay window.

## 4.13 RS-232 INTERFACE

SWZ scales include a bi-directional RS-232 interface. The scale can be controlled by sending commands from a PC when connected via an RS-232 cable. See section 4.13.1.

### Specifications:

RS-232 output of weighing data

ASCII code

Adjustable Baud rate: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 baud

8 **data bits No Parity**

### Connector:

9 **pin D-subminiature socket**

Pin 2 Output

Pin 3 Input

Pin 5 Signal Ground

### 4.13.1 Input commands format

The scale can be controlled with the following commands. The commands must be sent in upper case letters.

<b>T&lt;cr&gt;&lt;lf&gt;</b>	Tares the scale to display the net weight. This is the same as pressing <b>[Tare]</b> key.
<b>Z&lt;cr&gt;&lt;lf&gt;</b>	Sets the zero point for all subsequent weighing. The display shows zero.
<b>P&lt;cr&gt;&lt;lf&gt;</b>	Prints the results to a PC or printer using the RS-232 interface.

### 4.13.2 RS-232 Setup

The RS-232 interface uses parameters set by the user for language, currency symbol, baud rate, date format and label format of the printout.

Press the **[Setup]** key to bring up the setup menu, then use the digits **[1]** or **[6]** to scroll through until “**rS232**” is displayed. Press **[Tare]** ↵ key to confirm your enter, then use again the digits **[1]** or **[6]** to scroll through parameters options.

When a parameter is entered by pressing **[Tare]** ↵, the displays will guide you through the parameter selected and the options available. The parameters and their function are:

Displays			Options	Functions
Weight	Unit Price	Price to Pay		
rS232	-	Pr int PC C md	Printer Continuous to PC Command	
	-	Baud	1200, 2400, 4800, 9600, 19200, 38400, 57600, or 115200	Set baud rate.
	-	Format / ATP	1, 2 or 3 /ATP	Select label format to print.
	-	If ATP – Copy1	1-8	Select no of copies to be printed.
	-	Language	EnGLiSH, FrEnCH, GErMAn, SPAniSH , Italian or Portuguese	Select Language to be printed.

#### LABEL FORMATS:

**(NOTE: All lines are terminated with a <cr><lf>)**

#### **Format 1 (English with £ shown):**

2018/08/31 13:01:56			
UNIT PRICE	NET	TOTAL	
-----			
£ 1.20/100g	0.200kg	£	2.40

#### **Format 2 (Spanish with \$ shown):**

FECHA	2017/04/08	HORA	04:00:30
PRECIO			
UNIT. \$	10.99/100g		
NETO	0.200kg		
TOTAL \$	21.98		

### Format 3 (Weight only):

+ 0.200kg
-----------

### ATP format

DATE	12-12-2018
USER. ID	0
SCALE. ID	0
TIME	13:23:42
NET	0.5000kg
TARE	0.0000kg
GROSS	0.5000kg
UNITPRICE	12.34 /kg
TOTAL	6.17

## 4.14 REAL TIME CLOCK SETUP

The Real Time Clock (RTC) is used for the RS-232 output only. The Date and Time can be set as required within the setup menu (**[Setup]** key). The scale will keep the clock running even when the power is off.

### Setting up the clock

- 1) Press the **[Setup]** key to bring up the setup menu.
- 2) Using the digits **[1]** and **[6]**, scroll through until you see "Time" in the display. Press the **[Tare]** ↵ key.
- 3) The display below will show the current time set in the format 00:00:00.
- 4) Use the keypad to enter the correct time in hours, minutes and seconds (24 hour format) and press the **[Tare]** ↵ key to confirm.

### Setting up the date

To change the date, follow the same process as above, selecting "date" from the setup menu. Here you will be presented with several formats:

"YY-mm-dd" year, month, day  
"mm-dd-YY" month, day, year  
"dd-mm-YY" day, month, year

- 1) Press the **[Tare]** ↵ key to accept the chosen format and then enter the date in this format.
- 2) Press the **[Tare]** ↵ key to accept the date.

An error code will be shown if the time (Err 1) or the date (Err 2) is not the permissible values. For example, 34<sup>th</sup> day of a month is an invalid entry.

## 5.0 ERROR CODES

During the initial power-on testing or during operation, the scale may show an error code in which case consult the table below. If the error persists, contact your dealer for further support.

<b>ERROR CODE</b>	<b>DESCRIPTION</b>	<b>POSSIBLE CAUSES</b>
<b>Err 1</b>	Time input Error	Invalid time entry such as "268970" for the time format " <b>H-m-S</b> ".
<b>Err 2</b>	Date input Error	34 <sup>th</sup> day of a month is an invalid entry.
<b>Err 3</b>	Zero when power on and not stable.	Scale not placed on a stable surface
<b>Err 4</b>	Initial Zero is greater than allowed (4% of maximum capacity) when power is turned on or when the <b>[Zero/Enter]</b> key is pressed.	Weight on the pan when turning the scale on. Excessive weight on the pan when zeroing the scale. Platform is not installed. Improper calibration of the scale. Damaged load cell. Damaged Electronics.
<b>Err 5</b>	Zeroing error	Trying to zero too much mass
<b>Err 6</b>	Negative tare error	Pressing tare with a negative value
<b>Err 7</b>	Stability error	Draft or vibrations causes unstable weight
<b>Err 8</b>	Percent input error	Percent function is entered with no reference mass on the pan.
<b>Err 9</b>	User zero calibrate exceed factory calibration 10%	Improper calibration (should be within $\pm 10\%$ of the factory calibration). The old calibration data will be retained until the calibration process is complete.
<b>Err 10</b>	User load calibration exceed factory calibration 10%	Improper calibration (should be within $\pm 10\%$ of the factory calibration). The old calibration data will be retained until the calibration process is complete.
<b>Err 19</b>	Weight lower limit is larger than upper limit	High limit is set first, then the low limit is set higher than the high limit and low limit not equal to zero.
<b>Err ADC</b>	Incorrect ADC value	Load cell is damaged. Electronics is damaged.
<b>---OL---</b>	Weight over range	Weight over scale range
<b>---Lo---</b>	Below Gross zero by >20e	Weight below scale range

## 6.0 CALIBRATION

The SWZ scales are sealed to prevent unauthorised calibration.

Contact Adam Equipment or your supplier for more details.

**WARNING:** CALIBRATION OF THE SCALES MAY MAKE IT ILLEGAL TO USE THE SCALES FOR SALES OF GOODS. CONTACT YOUR TRADING STANDARDS OFFICE FOR FURTHER ASSISTANCE.

## 7.0 REPLACEMENT PARTS AND ACCESSORIES

If you need to order any spare parts and accessories, contact your supplier or Adam Equipment. A partial list of such items is as follows-

- 3.02.2.0.13911 - In use cover
- 3.02.2.0.13912 - Hard Carry case
- 2.02.0.0.13913 - Pack of 5 In use cover
- 2.02.0.0.13914 - Pack of 10 In use cover
- 3.01.4.0.11014 - RS232 cable
- 2.02.0.0.13915 - USB option
- 2.02.0.0.13916 - Rechargeable Battery option
- 3.07.4.0.10267 - USB cable
- 1120011156 - ATP thermal printer
- 3126011263 – ATP thermal printer paper
- 3126011281 - ATP thermal printer paper (pack of 10)
- 600002028 – Adam DU data collection program
- 700660290 – Calibration Certificate
- 303149761 – Fish Scoop (complete with fitting to the scale)
- 303149759 – Vegetable Scoop (complete with fitting to the scale)
- 303149760 – Confectionary Scoop (complete with fitting to the scale)

## WARRANTY STATEMENT

Adam Equipment offers Limited Warranty (Parts and Labour) for any components that fail due to defects in materials or workmanship. Warranty starts from the date of delivery.

During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Adam Equipment Company. The company or its authorised Technician reserves the right to repair or replace the components at any of its workshops at no additional cost, depending on the severity of the problems. However, any freight involved in sending the faulty units or parts to the Service Centre should be borne by the purchaser.

The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Adam Equipment.

This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorised modifications or attempted repair, or failure to observe the requirements and recommendations as given in this User Manual.

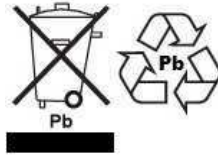
This product may include a rechargeable battery that is designed to be removed and replaced by the user. Adam Equipment warrants that it will provide a replacement battery if the battery manifests a defect in materials or workmanship during the initial period of use of the product in which the battery is installed.

As with all batteries, the maximum capacity of any battery included in the product will decrease with time or use, and battery cycle life will vary depending on product model, configuration, features, use, and power management settings. A decrease in maximum battery capacity or battery cycle life is not a defect in materials or workmanship, and is not covered by this Limited Warranty.

Repairs carried out under the warranty do not extend the warranty period. Components removed during warranty repairs become company property.

The statutory rights of the purchaser are not affected by this warranty. The terms of this warranty is governed by the UK law. For complete details on Warranty Information, see the terms and conditions of sale available on our web-site.

## WEEE 2012/19/EU



This device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements. Disposal of batteries (if fitted) must conform to local laws and restrictions. Cet appareil ne peut être éliminé avec les déchets ménagers. L'élimination de la batterie doit être effectuée conformément aux lois et restrictions locales.

Dieses Gerät nicht mit dem Hausmüll entsorgt.

Dispositivo no puede ser desechado junto con los residuos domésticos Dispositivo non può essere smaltito nei rifiuti domestici.

## FCC / IC CLASS A DIGITAL DEVICE EMC VERIFICATION STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules and Canadian ICES-003/NMB-003 regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## CALIFORNIA PROPOSITION 65 - MANDATORY STATEMENT

WARNING: This product includes a sealed lead-acid battery which contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



Adam Equipment products have been tested with, and are always supplied with mains power adaptors which meet all legal requirements for the intended country or region of operation, including electrical safety, interference and energy efficiency. As we often update adaptor products to meet changing legislation it is not possible to refer to the exact model in this manual. Please contact us if you need specifications or safety information for your particular item. Do not attempt to connect or use an adaptor not supplied by us.

**ADAM EQUIPMENT** is an ISO 9001:2008 certified global company with more than 45 years' experience in the production and sale of electronic weighing equipment.

Adam products are predominantly designed for the Laboratory, Educational, Health and Fitness, Retail and Industrial Segments. The product range can be described as follows:

- Analytical and Precision Laboratory Balances
- Compact and Portable Balances
- High Capacity Balances
- Moisture analysers / balances
- Mechanical Scales
- Counting Scales
- Digital Weighing/Check-weighing Scales
- High performance Platform Scales
- Crane scales
- Mechanical and Digital Electronic Health and Fitness Scales
- Retail Scales for Price computing

For a complete listing of all Adam products visit our website at

[www.adamequipment.com](http://www.adamequipment.com)

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However, we are not responsible for misinterpretations which may result from the reading of this material.

The latest version of this publication can be found on our Website.

[www.adamequipment.com](http://www.adamequipment.com)