Adam Equipment

CPW*plus* SERIES

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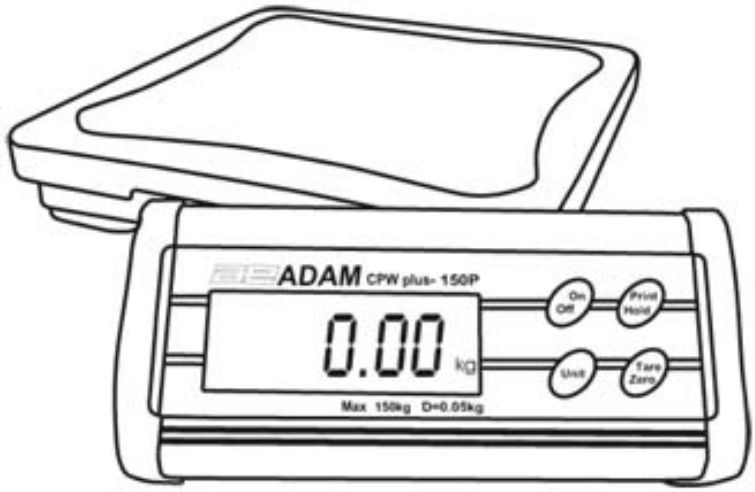
Software Revision: 1.2-06



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1.0 INTRODUCTION

- The CPW*plus* platform scale is a simple scale used primarily for weighing small parcels, samples and other general weighing applications. The scales are used in different countries and can display weights in various units.

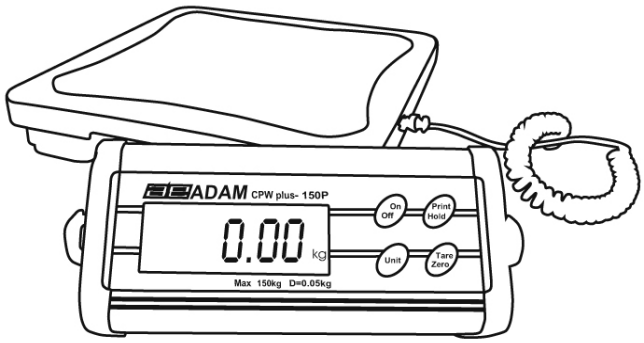
- The scale is built using a platform to be placed on a bench or floor and a remote display to be used on the table top next to the platform, wall mounted or connected to the base.

- The CPW*plus* platform scales are available in 6 models, with different capacities.

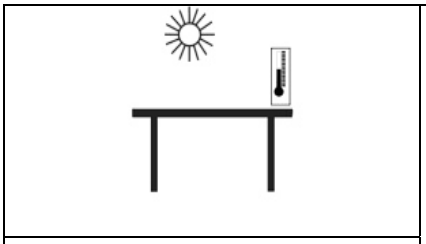
- All scales come complete with an easy to clean stainless steel top pan on a sturdy steel frame and a remote indicator with a large backlit LCD display which is easy to read from a distance.

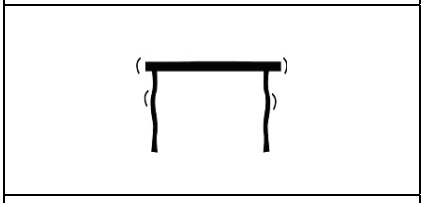
- The water-resistant keyboard has 4 easy to use function keys: **[On/Off]**, **[Print/Hold]**, **[Unit]**, and **[Tare/Zero].**

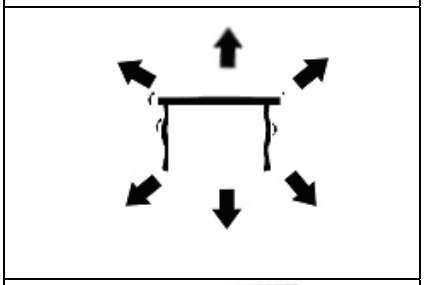
- With the standard AC adapter included and the facility for use with dry-cell batteries, the CPW*plus* platform scales can be used in a fixed location or as a portable scale.

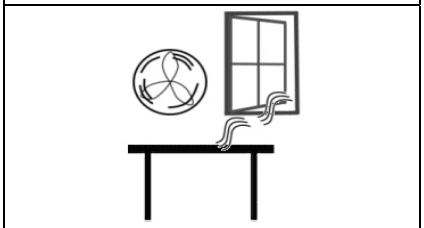


2.0 LOCATING THE SCALE









- The scales should not be placed in a location that will reduce the accuracy.
- Avoid extremes of temperature. Do not place in direct sunlight or near air conditioning vents.
- Avoid unsuitable tables. The table or floor must be rigid and not vibrate.
- Avoid unstable power sources. Do not use near large users of electricity such as welding equipment or large motors.
- Do not place near vibrating machinery.
- Avoid high humidity that might cause condensation. Avoid direct contact with water. Do not spray or immerse the scales in water.
- Avoid air movement such as from fans or opening doors. Do not place near open windows or air-conditioning vents.
- Keep the scales clean. Do not stack material on the scales when they are not in use.

3.0 SETTING UP THE SCALE

3.1 LIST OF ACCESSORIES

Your packet contains-

- ✓ **AC adapter**
- ✓ **The scale and Indicator**
- ✓ **Steel Pan**
- ✓ **An Instruction manual**

3.2 CONNECTING THE INDICATOR

The indicator comes separately packaged in your shipment. Remove the packaging and attach the wire connector into the side of the unit. There is a screw to help keep the connector in place.

3.3 MOUNTING THE INDICATOR

- The indicator can be connected to the base using the bracket that is supplied. There are two thumb screws on the opposite side to the Power input and the RS-232 ports on the base. Remove these and use them to connect the bracket to the base. Use the two thumb screws on the side of the bracket that connect to the indicator to adjust the height and angle of the unit.

- The indicator can be mounted to the wall using the bracket supplied. Use two screws (screws not supplied) to connect the bracket to the wall. Use the two thumb screws on the side of the bracket that connect to the indicator to adjust the angle of the unit.

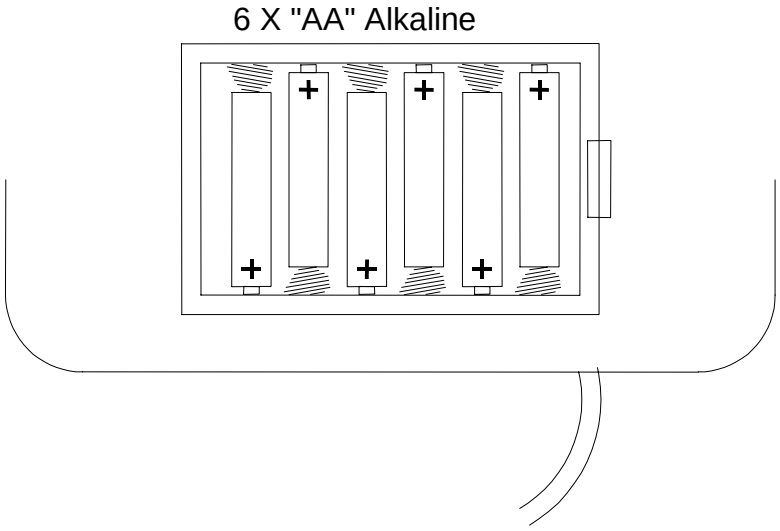
- The indicator can be placed on the bench using the bracket supplied to angle the indicator for the best positioning. Use the two thumb screws on the side of the bracket that connect to the indicator to adjust the angle of the unit.

3.4 INSTALLING BATTERIES

- Power can be supplied using the adapter delivering 12VAC 150 mA minimum or using batteries inside the scale unit (6 x AA size).

- Remove the cover from the battery compartment under the scale. Install six AA size batteries as shown below.

- It is suggested that the alkaline batteries be used for best life.

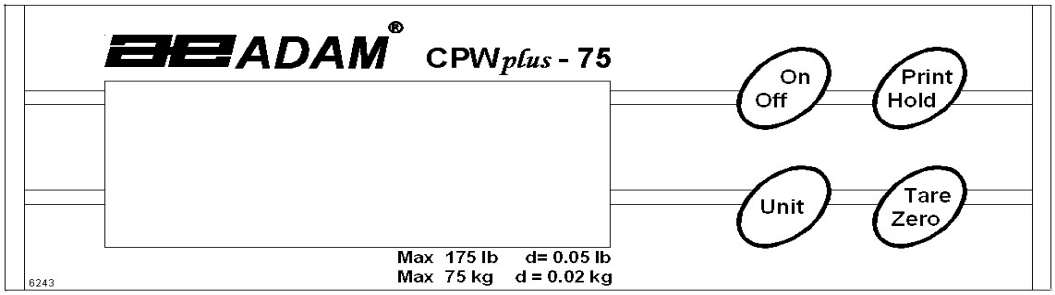


4.0 SPECIFICATIONS

Model #	**CPW*plus* 6**	**CPW*plus* 15**	**CPW*plus* 35**	**CPW*plus* 75**	**CPW*plus* 150**	**CPW*plus* 200**
Maximum Capacity	6 kg/ 13 lb	15 kg / 33 lb	35 kg / 75 lb	75 kg / 165 lb	150 kg / 330 lb	200 kg / 440 lb
Readability d=e=	2 g / 0.005 lb	5 g / 0.01 lb	10 g / 0.02 lb	20 g / 0.05 lb	50 g / 0.1 lb	50 g / 0.1 lb
d=e= for ounces and pounds & ounces	212 oz x 0.1 oz 13 lb: 1oz x 1 oz	520 oz x 0.2 oz 32 lb: 16oz x 1 oz	1200oz x 0.5 oz 74lb: 16oz x 1oz	2640 oz x 1 oz. 164lb: 16oz x 1 oz	5280 oz x 2 oz 329lb: 16oz x 2 oz	7040 oz x 2 oz 439lb: 16oz x 2 oz
Repeatability	2 g / 0.005 lb	5 g / 0.01 lb	10 g / 0.02 lb	20 g / 0.05 lb	50 g / 0.1 lb	50 g / 0.1 lb
Linearity	4 g / 0.01 lb	10 g / 0.02 lb	20 g / 0.04 lb	40 g / 0.1 lb	100 g / 0.2 lb	100 g / 0.2 lb
Tare Range	Full range					
Units of Measure	Kg, lb, oz, lb:oz					
Stabilisation Time	2 seconds					
Operating Temperature	0°C to 40°C 32°F - 104°F					
Humidity	Up to 95% RH non-condensing					
Power supply	6 AA size non-rechargeable batteries in a compartment located in the base or 12VAC, 150 mA adapter					
Display	25 mm/1.0″ Backlit LCD digits with weight legends for kg, lb, oz , lb:oz and low battery, stable, zero, net weight and Hold symbols, as well as ability to display lb and oz together					
Keypad	Mechanical switches under overlay					
Calibration	Automatic External					
Calibration mass	User selectable					
Scale Housing	Indicator: Aluminium Platform: Mild steel base and stainless steel pan					
Load cells	4 load cells					
Pan Size	300 x 300 mm / 11.8” x 11.8”					
Dimensions (w x d x h)	Base: 300 x 300 x 50 mm / 11.8 ” x 11.8” x 2” Indicator: 270 x 80 x 30 mm / 10.6” x 3.1” x 1.2”					
Net Weight	4 kg / 8.8 lb					
Accessories	Hard carry case with lock and strap					

5.0 KEYPAD AND DISPLAY

5.1 KEYPAD



[On / Off]	Turns the scale on or off only
[Print/Hold]	Sends data via RS-232 and combines with Hold functions enabled
[Unit]	Selects kilograms, pounds, ounces or pounds-ounces
[Tare/Zero]	Sets the display to true zero or net zero by storing the current weight in the tare memory

5.2 DISPLAY SYMBOLS

Symbol	Description
→○←	Scale in auto zero range
	Stability indicator. When shown the result is stable.
kg , **lb, oz** or **lb-oz**	Scale is in weighing mode
	Battery is weak
Net	Indicates when Net Weight is being displayed
Hold	Display is held until hold parameter setting is met

6.0 OPERATIONS

6.1 SWITCHING ON THE SCALE

- To switch on the scale, simply press the **[On/Off]** key, if using the batteries. Otherwise connect the correct power supply module to the rear of the base and then press the **[On/Off]** key.

- The display will show the software revision number and then flash all digits and symbols before counting down to zero. This ensures all LCD segments are working.

- The scale will turn off automatically to conserve battery life if the automatic turn off parameter is set.

6.2 ZEROING THE SCALE

- The ZERO and TARE function is combined into one key **[Tare/Zero]**.

- You can press the **[Tare/Zero]** key at any time to set a new zero point. Re-zeroing the scale is necessary only if small amounts of weight are still shown when the platform is empty. When the zero point is obtained the display will show an indicator for zero and the indicator stays on for as long as the scale is in zero condition.

- If the scale is within 4% of the maximum capacity, pressing the **[Tare/Zero]** key will zero the scale. However, if the weight on the scale is more than 4%, pressing **[Tare/Zero]** key will tare the scale. See the next section on taring of the scale.

- The scale has an automatic zero tracking function to account for environment or accumulation of material on the platform.

6.3 TARING THE SCALE

- Zero the scale by pressing the **[Tare/ Zero]** key if necessary. The zero indicator will be on.

- Place a container on the platform, a value for its weight will be displayed.

- Press the **[Tare/Zero]** key to tare the scale. The weight that was displayed is stored as the tare value and that value is subtracted from the display, leaving zero on the display. The indicator "**Net**" will be on.

- As a product is added only the weight of the product will be shown. The scale could be tared a second time if another type of product was to be added to the first one. Again only the weight that is added after taring will be displayed.

- When the container is removed a negative value will be shown. If the scale was tared just before removing the container, this value is the gross weight of the container plus all products those were removed. The zero indicator will also be on because the platform is back to the same condition as it was when the **[Tare/Zero]** key was pressed last.

  Note: If the capacity of the scale is 6000g and a container weighing 1000g is used and tared, the scale can then be used to weigh material of up to 5000g only.

6.4 WEIGHING

- When the scale is at zero, place an item to be weighed on the platform. The display will show the weight. The unit will be shown in kilograms unless the user has selected either pounds, ounces or pounds-ounces previously.

- If a container is used, this can be tared out as described in 6.3 on "Taring the scale". Then material can be added to show the net weight.

6.5 SELECTING THE UNIT

The Weighing Unit Selection will allow the users to set the weighing units they require. The options are kilogram, pounds, ounces and pounds-ounces. The weighing unit must be enabled by the users. If a unit is disabled it cannot be selected by using the **[Unit]** key. The display will show the active weighing unit.

6.6 PRINTING AND HOLDING FUNCTIONS

When the **[Print/Hold]** key is pressed the action will depend upon how the scale user parameters have been set. The scale can be set to print via RS232, hold the display or both functions simultaneously.

7.0 CALIBRATION

- Occasionally the scale should be verified that it is weighing correctly by measuring a known mass of approximately the scale capacity.

- Tare the scale, place the mass on the centre of the platform and note the reading.

- Calibrate the scale if necessary.

Important: Calibration mass is user-selectable. Before starting the calibration, make sure that you have selected the correct calibration mass for the scale and you know the mass is accurate. The mass should not be less than 10% of the capacity of the scale. An error message "**CALEr**" will be displayed if an incorrect mass is selected by the user.

Note. The new calibration must be +/-20% of the factory calibration at the same value or an error will be shown and calibration will be void.

PROCEDURE

- While in normal weighing condition Press and hold the **[Tare/Zero]** key for 4 seconds.

- The display will show a "**CAL**" along with the last selected unit. The unit can be changed by using the **[Unit]** key to calibrate in Kgs or Lbs.

- Press the **[Print/Hold]** key. The display will show "**L xxx**" where **xxx** is the Calibration weight which is user-selectable.

- Use the **[Tare/Zero]** key to change the flashing digit and the **[Print/Hold]** key to move to the next digit.

- Press the **[Unit]** key to confirm the calibration weight. The digit stops flashing.

- If the selected mass is less than 10% of the capacity of the scale, an error message "**CALEr**" will be displayed and the scale will return to zero. Repeat the process correctly.

- Place the correct calibration mass as selected by the user at the centre of the pan.

- Press the **[Unit]**. The display will return to weighing mode.

- If the mass loaded is more than +/-20% error of the factory calibration reference then an error message "**CALEr**" will be displayed and the scale will return to weighing without calibration being saved. Repeat the process correctly.

- Remove the weight.

- Verify the scale is calibrated correctly. If not then check the scale and repeat the process.

8.0 USER PARAMETERS

The scale can be set as desired by the user to control the operation.

- Switch off the scale.
- Hold the **[Tare/Zero]** key and then press the **[On/Off]** momentarily. Release the **[Tare/Zero]** key. The display shows the first function "**ProFF**" i.e., Auto Power Off.
- The user can escape from the parameter setting at any time by pressing the **[Print/Hold]** key.
- To save the changed parameter press the **[Unit]** key (which will advance to the next parameter). To return to normal weighing, turn the scale off and back to on again or press the **[Print/Hold]** key.

8.1 AUTO POWER OFF

- This is used to select the validity of the auto power off function. The display will show "**ProFF**" or "**Pron**" DEFAULT SET: **ProFF**
- Press **[Tare/Zero]** key to toggle between "**on**" and "**oFF**".
- If it is set to "**on**" the power will be turned off after 2 minutes if a key has not been pressed and the scale is at zero. If there is a weight on the scale or the keys have been pressed, the scale will continue to work.

8.2 SETTING OF BACKLIGHT

- Press the **[Unit]** key to scroll to the second function "**bL**" which is for setting the use of backlight.
- Press the **[Tare/Zero]** key to change the settings by scrolling through the options.
- The user can select to have the backlight set to 1- off, 2 - on or 3 – automatic.

When set to automatic it will be off unless a weight is placed on the pan. When the weight is removed it will stay on for 10 seconds after the scale returns to zero. DEFAULT SET: 3-automatic

8.3 ENABLING OF UNITS

- Press the **[Unit]** key to scroll to the third function "**On Kg**" which is for setting the units to be enabled and disabled.

- Each weighing unit can be enabled or disabled so that the enabled units can be selected during the operation of the scale by the user.

- Use the **[Tare/Zero]** key to toggle between on and off and the **[Unit]** key to move to the next units.

8.4 COMMUNICATION ADDRESS

- Press the **[Unit]** key to scroll to the fourth function "**Add 1**" which is for setting the ID for the scale RS-232 results output.

- This function is used to set the communication address which is sent via RS232 as an ID code. There are 26 options to select from "**Add 1**" to "**Add 25**". Set **"Add 0"** for no address. These relate to alphabet letters for example 1=A, 2=B to 25=Y

- Use the **[Tare/Zero]** key to scroll through the options.

- Press the **[Unit]** key to confirm the selection and move to the next function for setting the Baud rate for sending the data via RS-232 interface.

8.5 SELECTION OF BPS

- Press the **[Unit]** key to scroll to the fifth function "**BPS**" which is for to select the BPS or baud rate per second to set the speed of sending data to RS-232 interface. DEFAULT SET: **b 9600**

- There are three options "**b 2400**", "**b 9600**" and "**b 4800**"

- Use the **[Tare/Zero]** key to scroll through the options.

- Press the **[Unit]** key to confirm the selection and move to the next function for setting the parity for sending the data to RS-232 interface.

8.6 SELECTION OF BIT RATE AND PARITY

- Press the **[Unit]** key to scroll to the sixth function "**Par x**" which is used to select the Bit rate and parity used for sending data to RS-232 interface. "**PAr x**" appears on the screen. DEFAULT SET: **PAr 1**

- There are three options "**PAr 1**", "**PAr 2**" and "**PAr 3**".
  PAr 1 - 8 bits no parity
  PAr 2 - 7 bits even parity
  PAr 3 - 7 bits odd parity

- Use the **[Tare/Zero]** key to scroll through the options.

- Press the **[Unit]** key to confirm the selection and move to the next function for setting the transmission mode for sending the data to RS-232 interface.

8.7 SELECTION OF TRANSMISSION MODE

- Press the **[Unit]** key to scroll to the seventh function "**trn x**" which is used to select the transmission mode. "**trn x**" appears on the screen. See the Hold and printing table below. DEFAULT SET: **trn 1**

- There are three options "**trn 1**", "**trn 2**" and "**trn 3**".

trn 1	No data output
trn 2	Continuous data output
trn 3	Output when print key is pressed

- Use the **[Tare/Zero]** key to scroll through the options.

- Press the **[Unit]** key to confirm the selection and move to the next function for setting the Hold function.

8.8 SELECTION OF HOLD FUNCTION

- Press the **[Unit]** key to scroll to the eighth function "**Hod x**" which is used to set the Hold function. "**Hod x**" appears on the screen. See the Hold and printing table below. DEFAULT SET: **Hod 1**

- There are three options "**Hod 1**", "**Hod 2**" and "**Hod 3**".

Hod 1	No hold function
Hod 2	Automatic hold function
Hod 3	Manual hold function

- Use the **[Tare/Zero]** key to scroll through the options.

- If selection of "**Hod 2**" or "**Hod 3**" are made then this will enable function 8.9 SETTING OF HOLD TIME "**Hti 0**".

- If "**Hod 1**" is selected pressing the **[Unit]** key will take you to the first parameter "**ProFF**".

8.9 SETTING OF HOLD TIME LIMIT

- This function is to set the time limit for which the display is held after the hold function is used. It is only available for hold functions 2 and 3.
- There are four options "**Hti 0**", to "**Hti 4**". Hti 1-4 holds the display for the entered number of seconds x10. "**Hti 0**" holds for an infinite time limit.
- Use the **[Tare/Zero]** key to scroll through the options.
- Press the **[Unit]** key to confirm the selection and move back to the first parameter or press **[Print/Hold]** to escape.

HOLD AND PRINTING TABLE

	trn = 1	**trn = 2**	**trn = 3**
Hod = 1	RS-232 is off. Hold is off. **[Print/hold]** key has no function.	Prints continuously. Hold is off. **[Print/hold]** key has no function.	RS-232 prints when **[Print/Hold]** is pressed. Hold function is disabled.
Hod = 2	RS-232 is off. Hold occurs automatically when the weight is stable. Hold is released if **[Print/Hold]** is pressed or time expires as per **Hti** setting.	Print continuously. Hold occurs automatically when the weight is stable. Hold is released if **[Print/Hold]** is pressed or time expires as per **Hti** setting.	RS-232 prints and hold occurs automatically when the weight is stable. **[Print/Hold]** key is pressed print will occur again. Hold function is released if the key is pressed again or time expires as per **Hti** setting.
Hod = 3	RS-232 is off Hold occurs when the **[Print/Hold]** key is pressed. Hold is released if **[Print/Hold]** is pressed again or time expires as per **Hti** setting.	Print continuously. Hold occurs when the **[Print/Hold]** key is pressed. Hold is released if **[Print/Hold]** is pressed again or time expires as per **Hti** setting.	RS-232 prints and the hold occurs when **[Print/Hold]** is pressed. If **[Print/Hold]** is pressed a second time print will occur again. Hold is released if **[Print/Hold]** is pressed again or time expires as per **Hti** setting.

9.0 COMMUNICATION WITH A COMPUTER/PRINTER

The CPW*plus* series of scales come with a standard RS-232 interface.

The standard Interface parameters are:

RS-232 output of weighing data
ASCII code
Selectable Baud
Selectable data bits
Selectable Parity

Connection details are:

Connector: 9 pin d-subminiature socket
Pin 3 Output
Pin 2 Input
Pin 5 Signal Ground

Normal Output:

add: A
G/W: + 2.000 kg G/W is Gross Weight
<lf> Includes 3 line feeds
<lf>
<lf>
add: A
N/W: + 1.000 kg N/W is Net weight
<lf> (Includes 3 line feeds)
<lf>
<lf>

Continuous Output:

ASNG/W + 0.000 xx
ASNG/W + 0.510 xx
ASNG/W + 2.998 xx
<lf>

A is the communication address set by the user as shown in 8.4, S stands for stable, N for no error G/W for gross weight, xx for the chosen unit(kg, lb, oz, lb:oz)
(Includes 1 line feed)

Input commands format:

The scale can be controlled with the following commands. The commands must be sent in upper case letters, i.e. "**T**" not "**t**".

Z	Tares the scale to display the net weight. This is the same as pressing **[Tare/Zero]**
H	Sets the scale to hold if the hold function is enabled. Same as pressing the **[Hold]**
N	Sends the net weight to the RS-232 interface.
G	Sends the gross weight to the RS-232 interface.
T	Sends the tare weight to the RS-232 interface.

10.0 ERROR MESSAGES

During the initial power-on testing or during operation it is possible that the scale may show an error message. The meaning of the error messages is described below.

ERROR CODE	DESCRIPTION	POSSIBLE CAUSES
Π Π Π Π Π Π	A continuous beep is heard.	Weight on the pan exceeds the capacity of the scale. Remove the weight from the pan.
CALEr	If the selected mass is less than 10% or more than 20% of the capacity of the scale, an error message "**CALEr**" will be displayed and the scale will return to zero.	Incorrect calibration mass. Repeat the process correctly.

If an error message is shown, repeat the procedure that caused the message such as turning the scale on, calibration or any other functions. If the error message is still shown, contact your supplier for further support.

11.0 TECHNICAL PARAMETERS

The technical parameters allow the scale to be adjusted to meet the operator's requirements for accuracy and speed.

- Switch off the scale.
- Hold the **[Unit]** key and then press the **[On/Off]** momentarily. Release the **[Unit]]** key. The display shows the first function "**Fi**" i.e., Filtering.
- The user can escape from the parameter setting at any time by pressing the **[Print/Hold]** key.

11.1 FILTER

This is used to set the speed of the display filtering. For poor environments the filter should be set at its slowest to minimise external influences on the scale. For weighing small samples or gradual filling the filter should be set at faster. The display will show "**Fi 1**" to "**Fi 3**".

- Press **[Tare/Zero]** key to toggle between the settings.
- Press **[Unit]** key to move to the next parameter.

If it is set to "**1**" then the display is at its slowest setting and "**3**" the fastest.

11.2 ZERO TRACKING

This is used to set the range of the zero tracking. Zero tracking will aid the scale to hold or return to zero and should be increased if large weights are left on the scale or temperature is not consistent. The display will show "**ZEo 1**" to "**ZEo 8**".

- Press **[Tare/Zero]** key to toggle between the settings.

- Press **[Unit]** key to move to the next parameter.

  If it is set to "**1**" the tracking is at its smallest range and "**8**" the greatest.

11.3 STABILIZATION RANGE

- This is used to set the range of the stability indicator. This is used to determine when the scale will print automatically as well as indicate to the user that the weight reading is stable.
  The display will show "**StA 1**" to "**StA 8**".

- Press **[Tare/Zero]** key to toggle between the settings.

- Press **[Unit]** key to move to the next parameter.

  If it is set to "**8**" then the stability is at its fastest and "**1**" the slowest.

11.4 STABILIZATION TRACKING

- This is used to set the size of the stability indicator tracking range. This will aid the scale to remain stable once a result has been given.
  The display will show "**Str 1**" to "**Str 5**"

- Press **[Tare/Zero]** key to toggle between the settings.

- Press **[Print/Hold]** key to exit the technical parameters.

  If it is set to "**1**" then the stability range is at its smallest and "**5**" the greatest.

12.0 FACTORY PARAMETERS

If after the last Technical Parameter the **[Unit]** key is pressed then the scale advances to the Factory Parameter section. This contains critical calibration reference information and is protected by a Pin Code which can only be accessed by a qualified technician. To exit the Pin Code entry when the display shows "**Pi**", the scale must be switched off.

13.0 REPLACEMENT PARTS AND ACCESSORIES

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

• **Power Supply Adapter** • **Main Power cord** • **Replacement Battery** • **Stainless Steel Pan**	• **In use cover** • **Hard Carry Case with lock & Strap** • **Printer, etc.**

14.0 SERVICE INFORMATION

This manual covers the details of operation. If you have a problem with the scale that is not directly addressed by this manual then contact your supplier for assistance. In order to provide further assistance, the supplier will need the following information which should be kept ready:

A. <u>Details of your company</u>

-Name of your company:
-Contact person's name:
-Contact telephone, e-mail,
fax or any other methods:

B. <u>Details of the unit purchased</u>

(This part of information should always be available for any future correspondence. We suggest you to fill in this form as soon as the unit is received and keep a print-out in your record for ready reference.)

Model name of the scale:	**CPW*plus*_____**
Serial number of the unit:	
Software revision number (Displayed when power is first turned on):	
Date of Purchase:	
Name of the supplier and place:	

C. <u>Brief description of the problem</u>

Include any recent history of the unit. For example:
-Has it been working since it's delivered
-Has it been in contact with water
-Damaged from a fire
-Electrical Storms in the area
-Dropped on the floor, etc.

WARRANTY INFORMATION

Adam Equipment offers Limited Warranty (Parts and Labour) for the components failed 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 the purchaser's site or any of its workshops depending on the severity of the problems at no additional cost. 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.

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

The statutory right of the purchaser is 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.

CE

Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonised European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 89/336/EEC

Low Voltage Directive 73/23/EEC

Adam Equipment Co. Ltd.
Bond Avenue
Denbigh East Estate
Milton Keynes, MK1 1SW
United Kingdom

FCC COMPLIANCE

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. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The 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.

Shielded interconnect cables must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by Adam Equipment could void the user's authority to operate the equipment.

ADAM EQUIPMENT is an ISO 9001:2000 certified global organisation with more than 30 years experience in the production and sale of electronic weighing equipments. Products are sold through a world wide distributor network -supported from our company locations in the UK, USA and SOUTH AFRICA. The company and their distributors offer a full range of Technical Services such as on site and workshop repair, preventative maintenance and calibration facilities.

ADAM's products are predominantly designed for the Laboratory, Educational, Medical and Industrial Segments. The product range can be classified as follows:

- Analytical and Precision Laboratory Balances
- Top Loading Balances for Educational establishments
- Counting Scales for Industrial and Warehouse applications
- Digital Weighing/Check-weighing Scales
- High performance Platform Scales with extensive software features including parts counting, percent weighing etc.
- Digital Electronic Scales for Medical use
- Retail Scales for price computing

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

Visit us at **www.adamequipment.com**