

# **AE ADAM**

*Adam Equipment*

## **CPW<sub>plus</sub> SERIES**

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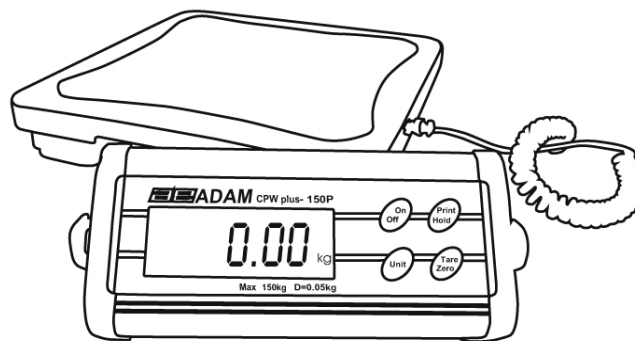
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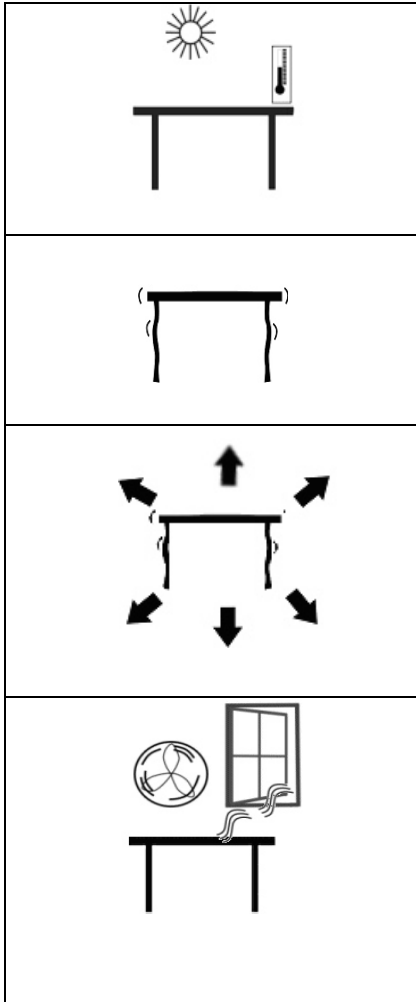


## 1.0 INTRODUCTION

- The CPW<sub>plus</sub> 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<sub>plus</sub> 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<sub>plus</sub> 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 attached to a bracket with the help of two thumb screws and is separately packed. Remove from the packaging and attach the cable to the connector at the side of the base. Tighten the ferrule to secure the cable.

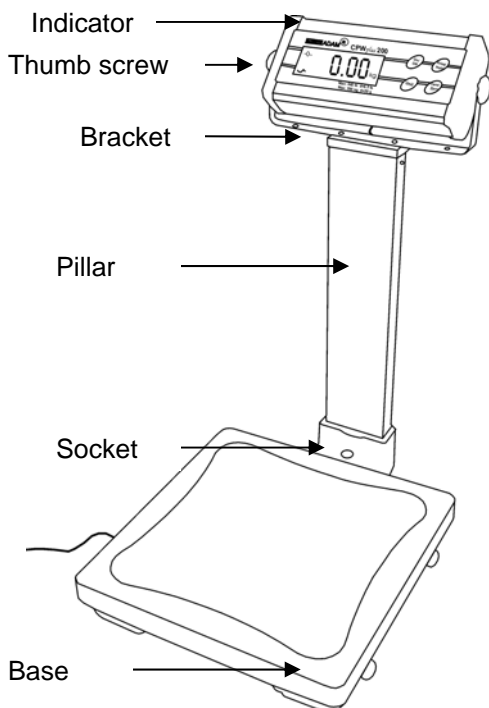
### 3.3 MOUNTING THE INDICATOR

The indicator attached to the bracket can be mounted in the following 3 ways. To adjust the angle of the indicator, use the two thumb screws on the side of the bracket that connects the indicator.

1. **Place it on the work bench-** Simply place the indicator attached to the bracket on the work bench at an angle.
2. **Attach it to the base of the scale-** There are two thumb screws on the base (opposite to the Power input and RS-232 ports). Remove them from the base and use them to attach the bracket to the base.
3. **Mount it on the wall-** Use two suitable screws (not supplied) to fix the bracket to the wall.

### 3.4 SETTING UP THE PILLAR VERSION SCALE

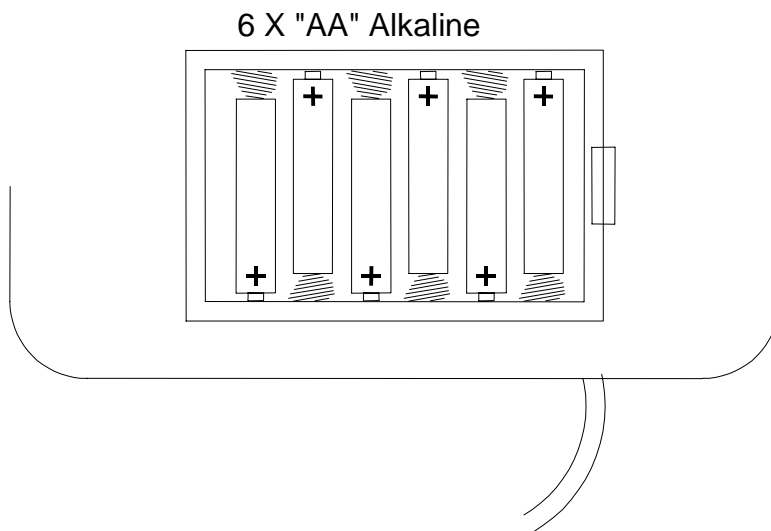
The CPW<sub>plus</sub> standard series come without the Pillar. The Pillar can be added at a later stage, to convert the scale into the Pillar version.



- The Pillar comes separately packed. Remove it from the packaging.
- Connect the cable attached to the Pillar to the connector inside the plastic socket situated at the base. Tighten the ferrule to secure the cable.
- Place the Pillar inside the plastic socket in the upright position and secure it with the M6 screws.
- Attach the bracket with the indicator to the top of the Pillar using normal screws. Connect the cable to the connector as before.
- To adjust the angle of the indicator, use the two thumb screws on the side of the bracket that connects the indicator.

### 3.5 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.



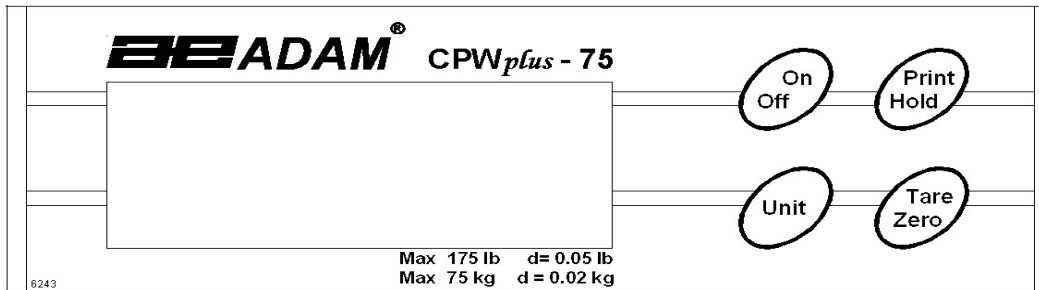


## 4.0 SPECIFICATIONS

Model #	CPW <sub>plus</sub> 6	CPW <sub>plus</sub> 15	CPW <sub>plus</sub> 35	CPW <sub>plus</sub> 75	CPW <sub>plus</sub> 150	CPW <sub>plus</sub> 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 x 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



<b>[On / Off]</b>	Turns the scale on or off only
<b>[Print/Hold]</b>	Sends data via RS-232 and combines with Hold functions enabled
<b>[Unit]</b>	Selects kilograms, pounds, ounces or pounds-ounces
<b>[Tare/Zero]</b>	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.
<b>kg , lb, oz</b> or <b>lb-oz</b>	Scale is in weighing mode
🔋	Battery is weak
<b>Net</b>	Indicates when Net Weight is being displayed
<b>Hold</b>	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 (See section 8.1).

### 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 (see section 8.3). 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 User Parameters have been set (see section 8.8 and 8.9). The scale can be set to print via RS-232, hold the display or perform 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 within  $\pm 20\%$  of the factory calibration value or an error will be shown and the calibration will be void.

## PROCEDURE

- While in the 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 kg or lb.
- Press the **[Print/Hold]** key. The display will show “**L XX**” where **XX** 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  $\pm 20\%$  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]** key momentarily. Release the **[Tare/Zero]** key. The display shows the first function "**Pr off**" i.e., Auto Power Off.
- The user can escape from the parameter setting at any time by pressing the **[Print/Hold]** key.
- To scroll through all the User Parameters, 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

- The first function is to set the auto power off function. The display will show "**Pr off**" or "**Pr on**" DEFAULT SET: **Pr off**
- Press **[Tare/Zero]** to toggle between "**Pr on**" and "**Pr off**".
- Press the **[Unit]** key to confirm the selection and move to the second function on setting of backlight

"**Pr on**" setting enables the Auto Power-off function. The power will be turned off after 2 minutes if a key has not been pressed for 2 minutes and the scale is at zero. If there is any weight on the scale or a key is pressed, the scale will continue to work.

"**Pr off**" setting disables the Auto Power-off function. The scale will not automatically turn off.

## 8.2 SETTING OF BACKLIGHT

- Press the **[Unit]** key to scroll to the second function “**bl x**” to set the backlight function.
- Press the **[Tare/Zero]** key to change the settings (“**x**” can be set to 1, 2 or 3) 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, the backlight 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 **[Tare/Zero]** to toggle between “**on**” and “**off**” and then the **[Unit]** key to confirm the selection and move to the next unit.

## 8.4 COMMUNICATION ADDRESS

- Press the **[Unit]** key after all units are set, to scroll to the fourth function “**Add xx**” where “**xx**” is value for setting the ID for the RS-232 results output.
- This function is used to set the communication address which is sent via RS-232 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 **[Unit]** 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 “**b xxxx**” to select the BPS or baud rate per second which is 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 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**” to select the bit rate and parity used for sending data to RS-232 interface. “**PAR x**” appears on the screen (**x** can be 1, 2 or 3). DEFAULT SET: **PAR 1**
- The user can select-
  - 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**” 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**”.

<b>trn 1</b>	No data output
<b>trn 2</b>	Continuous data output
<b>trn 3</b>	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**” 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**”.

<b>Hod 1</b>	No hold function
<b>Hod 2</b>	Automatic hold function
<b>Hod 3</b>	Manual hold function

- Use the **[Tare/Zero]** key to scroll through the options.
- If selection of “**Hod 2**” or “**Hod 3**” is made then it will lead to SETTING OF HOLD TIME “**Hti x**” (see section 8.9)
- If “**Hod 1**” is selected, pressing the **[Unit]** key will take you back to the first parameter “**Pr off**”.

## 8.9 SETTING OF HOLD TIME LIMIT

- This function is to set the time limit by which the display is held after the hold function is used. It is only available for hold functions “**Hod 2**” and “**Hod 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

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

## 9.0 COMMUNICATION WITH A COMPUTER/PRINTER

The CPW<sub>plus</sub> scales come with a bi-directional RS-232 interface.

### The 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**      A is the communication address set by the user as shown in  
**ASNG/W + 0.510 xx**      8.4, S stands for stable, N for no error G/W for gross weight,  
**ASNG/W + 2.998 xx**      xx for the chosen unit( kg, lb, oz, lb:oz)  
<lf>                      (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**”. Press the Enter key of the PC after each command.

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

<b>ERROR CODE</b>	<b>DESCRIPTION</b>	<b>POSSIBLE CAUSES</b>
<b>■■■■■■■</b>	A continuous beep is heard.	Weight on the pan exceeds the capacity of the scale. Remove the weight from the pan.
<b>CALEr</b>	If the selected mass is less than 10% or more than 20% of the capacity of the scale, an error message “ <b>CALEr</b> ” 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 **[On/Off]** momentarily. Release the **[Unit]** key. The display shows the first function "**Fi X**" i.e., Filtering.
- To escape from the parameter setting at any time press the **[Print/Hold]** key.
- To scroll through the parameters, 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.

### 11.1 FILTER

This parameter 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 setting. The display will show "**Fi 1**" to "**Fi 3**".

- Press **[Tare/Zero]** to scroll through the settings. If it is set to "**Fi 1**" then the display is at its slowest setting and at "**Fi 3**" the display is in its fastest setting.
- Press **[Unit]** to confirm the selection and move to the next parameter.

## 11.2 ZERO TRACKING

This parameter 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**] to scroll through the settings. If it is set to “**ZEo 1**” the zero tracking is at its smallest range and “**ZEo 8**” the highest.
- Press [**Unit**] to confirm the selection and move to the next parameter.

## 11.3 STABILIZATION RANGE

This parameter 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**] to scroll through the settings. If it is set to “**StA 8**” then the stability is at its fastest and “**StA 1**” the slowest.
- Press [**Unit**] to confirm the selection and move to the next parameter.

## 11.4 STABILIZATION TRACKING

This parameter 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**] to scroll through the settings. If it is set to “**Str 1**” then the stability range is at its smallest and “**Str 5**” the highest.
- When the desired value is displayed, press the [**Print/Hold**] key to select the value and exit the Technical Parameters. The display will count down to zero and the scale will return to normal weighing.
- If [**Unit**] is pressed instead of the [**Print/Hold**] key, the display will ask for Pin for entering into the Factory Parameters. Switch off the scale.

## 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-

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• <b>Power Supply Adapter</b></li><li>• <b>Main Power cord</b></li><li>• <b>Replacement Battery</b></li><li>• <b>Stainless Steel Pan</b></li></ul> | <ul style="list-style-type: none"><li>• <b>In use cover</b></li><li>• <b>Hard Carry Case with lock &amp; Strap</b></li><li>• <b>Printer, etc.</b></li></ul> |
|--|---|



## 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. Details of your company

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

### B. Details of the unit purchased

(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.)

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

### C. Brief description of the problem

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 STATEMENT**

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 any of its workshops 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.

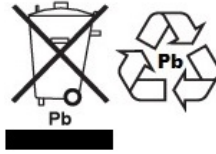
The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Adam Equipment.

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. Additionally rechargeable batteries (where supplied) are not covered under warranty.

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.

## 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..



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 40 years' experience in the production and sale of electronic weighing equipment.

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

- Analytical and Precision 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
- Medical 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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