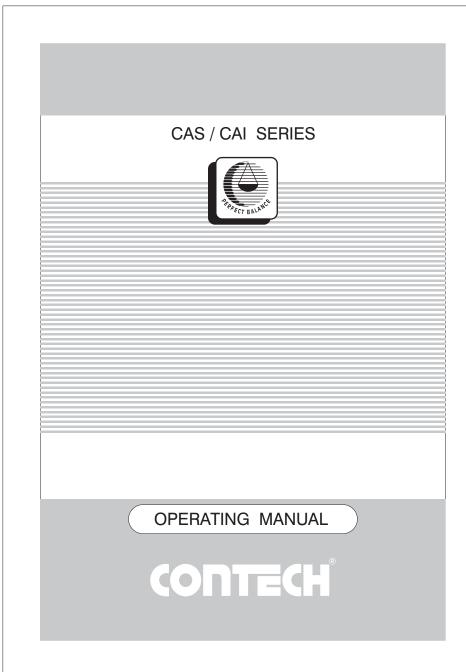


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- 2. DENSITY KIT SKETCH
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 - KEYBOARD DESCRIPTION.
 - CHANGING WEIGHING UNITS
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 - 8) PEAK HOLD MODE.
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 - 12) DENSITY DETERMINATION OF SOLIDS.
 - 13) TEXTILE COUNTS
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 - 15) PERCENTAGE WEIGHING.
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WARRANTY

CONTECH INSTRUMENTS LTD warrants all its products against defects in material and workmanship for a period of one year, subject to terms and conditions stated below and as further modified by warranty Amendment, in each product instruction manual. The warranty card must be registered with us within 15 days of purchase.

- Warranty period will commence from the date of shipment from CONTECH to the original buyer.
- 2. All warranty repairs are normally done at our factory in Mumbai and our decision about faulty materials or workmanship will be final. The instrument should be sent in the original packing to our factory at the address given below. Postage /Airfreight charges both ways are to be borne by the customer.
- If any of our product is opened by any one other than our engineers or our authorised representatives, this warranty will become null and void and CONTECH will be relieved of all responsibilities as to the service and operation of the said product.
- 4. This warranty will not be applicable to:
- a) Shipping damage or damages incurred while products are in transit.
- b) Correction of operational problems arising out of environmental conditions beyond our control.
- c) Maintenance necessitated by customer neglect, misuse, improper operation of the instrument or equipment.
- d) Work necessitated by damages from war, accident, fire, flood, electrical failure, vandalism or any other causalities.
- e) Repairs due to customers failure to perform any routine maintenance prescribed in the instruction manual.

(The routine inspection of calibration and other parameters should be done periodically by the user)

- CONTECH shall not be liable for any consequential damages nor labour loss or expense directly or indirectly arising from use of its products.,
- Amendments, assumed corollaries or statements contrary to the terms of this warranty shall not be binding on us unless they are put in writing and approved by us.
- 7. Any disputes arising out of usage of this products will be subject to Mumbai jurisdiction.
- 8. For warranty service, contact your local dealer or contact us on the below address.

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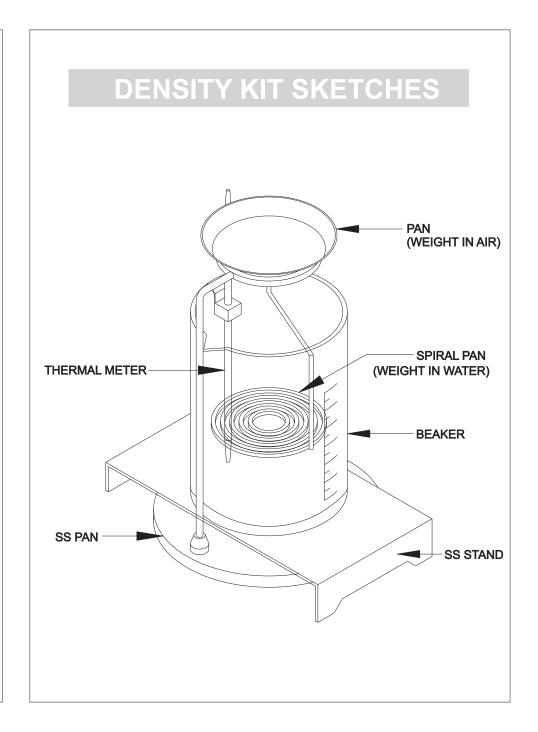
E-mail: sales@contechindia.in / info@contechindia.in

Website: www.contechindia.com

Factory: Plot No. EL-221 TTC Indl. Area, MIDC (Electronic Zone), Mhape, Navi Mumbai-400 710. Tel.: +91 22-6194 4000 Fax: +91 22-2761 837

Product :	Purchase Ref.:
Model No.:	Invoice No.:
Sr. No.:	Date :
Dealer's Name & Address:	

BALANCE SKETCHES WEIGHING PAN -MAIN UNIT DISPLAY KEYBOARD-LEVELING VIAL BALANCE FRONT SIDE SMPS CONNECTOR SIDE GLASS -RS-232C — SERIAL INTERFACE (EXTERNAL INPUT TERMINAL) STAMPING PLATE -LEVELING FOOT **BALANCE REAR SIDE**



INTRODUCTION

Contech CAS-CAI Series weighing balances use Electro magnetic force compensation technique to measure precisely the weight of and object. The following features enable the user to suit these balances for variety of applications.





Features:

- * Multiple weighing units , Gram, Carat, Tola, , Pound , Grains, GSM, % weighing
- * Piece counting facility, up to 25 different types.
- * Storage of weights in memory and printing, up to 100 weights.
- Power saving mode.
- * Bi-directional RS232 interface to interface with computers and printers.
- * Selectable baud rate.
- * Set point facility up to 2 limits.
- * Auto Power off.
- * Optional Peak Hold facility.
- * Date and time facility.
- * Multiple Print options with Sr. no., Date, Time and weight in Horizontal/Vertical mode.
- * Automatic zero tracking.
- * Density determination option.
- * Optional Battery backup facility.
- * GSM computation
- * % weighing & Calibration.
- * Weight slip printing option.

INSTALLATION

1. Unpacking:

Unpack the balance. Save the packing container for future use.

2. Electrical requirements:

The balance requires very stable power. It works on 230V AC supply with PROPER EARTHING. The power outlet used for the balance should not be shared with any other devices which draws current in inconsistent manner like Airconditioner or refrigerator etc.

3. Environmental requirements:

For best results, the balance should be placed on a level surface which is free from drafts. It should not be exposed to direct sunlight or radiated heat. The balance should not be subjected to sudden ambient temperature changes. Table used for balance should be sturdy and should not transmit vibration from other equipments and free from the movement of people. No vibration producing equipment should be operated on the same platform balance

START UP

CAS-CAI Series

Power is supplied to the scale through a 4 pin Switch mode power supply supplied along with the balance. Connect the 4 pin SMPS to the balance to a 4 pin round male connector provided at the rear panel of the balance. Insert the connector and rotate the external cover to make the connection firm and proper. Connect the 4 pin SMPS to a proper AC mains outlet with proper Earthing.

1) KEYBOARD DESCRIPTION:



TO SETTING BALANCE DISPLAY ON OR OFF.



- USED FOR SETTING VARIOUS PARAMETERS



CHANGING FUNCTIONS/PARAMETERS PRINTING INFORMATION THROUGH SERIAL PORT.



CHANGING FUNCTIONS/PARAMETERS.



TO SELECT A PARAMETER/DATA



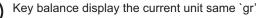
AUTO CALIBRATION



TARES THE BALANCE

2) CHANGING WEIGHING UNITS:

Press





Balance will show the next enabled weighing unit say

(A-At

and press



kev to same



keys to change between the

Note that all weighing functions except the basic weighing unit need to be enabled using SETUP functions. Refer section on SETUP for more details. Please note that some of the weighing functions in the balance may be illegal in some countries. They should be not be made available to the end user.

BALANCE OPERATIONS & FUNCTIONS

3) FOR CHANGING DATE, TIME AND SERIAL NO:



key, the balance will show SEtUP

And immediately press



key, balance will show DATE

de 12 (if the current date is 12)

where **12** is the current date. Press

to make it 0 or use



and

keys to

change date and press (FNTER



key to store the date.



key to skip date entry.

The balance will display

(if the current month is 10). Press



to make it 0 or

where 10 is the current month. Use



and press



key to store the month.

Press (SETUP

key to skip month entry.

The balance will display $\frac{1}{2}$ (if the current year is 06)

Press Key



Where **06** is the current year. Use



to make it 0 or



and

keys to change year and

press

key to store the year. Press (SFTUP)



key to skip year entry.

The balance will display

HH.55.55

where hh.mm.ss is the current time. Press (SETUP)



key to change the time

or press (+(T))



key to guit time entry.

Press (SETIII

key, the balance will show.

[] (if the current hour is 12)

where 12 is the hour. Use (



to make it 0

keys to change hour.

Press

key to save. Press



key to skip hour entry.

Balance will display



(if the current minute is 10)

where 10 is the minute. Use



to make it 0

key to change minute.



key to skip minute entry.

Balance will display $\frac{5}{1234}$ (if the current Serial No. is 1234)

where 1234 is the current serial no. Use



to make the serial no.0 or



key to change serial number. Press (FNTER) key to save.



BALANCE OPERATIONS & FUNCTIONS

4. Print Option:

These balances can be attached to a serial printer for your printing needs. Print out can be programmed to suit most of the printing requirements. Note that the printer should have a serial port and baud rate of the balance and printer should be same. 2 baud rates are available are. 2400 and 4800.



key to print weight through the serial port.

Printing option and patterns are controlled by 4 SETUP parameters.

They are

a) Print: There are 4 options

I)SingLE

- Press (key to start printing weight and other details programmed as per (b), (c) and (d) below.

ii) SEABLE

- Printing is initiated when the weight kept on the pan becomes stable.

iii) ALL

- All the displayed weights are printed along with other details programmed as per (b), (c) below.

iv) StorE

To print weights stored in memory along with details programmed as per (b) & (c) below.

b) Pr.For Printer format. 6 printout formats are available.

I) P- F-! - Only weight.

ii) P_ F-2 - Serial no and weight.

iii) P- F-3 - Serial no, Date and weight.

iv) P-F-4 - Serial no., Time and weight.

v) P- F-5 - Serial no., Date, Time and weight.

vi) P- F-6 - Weight slip printing.





c) P-TYPE Print type (Horizontal or Vertical)

I) PLYPE 1 — Horizontal Details will be printed horizontally.

 Sr.No.
 Date
 Time
 Weight

 001
 12.05.2002
 13:25:00
 23.54 g

 002
 12.05.2002
 13:27:05
 23.23 g

ii) PLYPE2 — Vertical
Details will be printed vertically in a slip form.

For ex.

Sr.No. : 001

Date : 12.05.2002 Time : 13:25:00 Weight : 24.45 g

Set the above parameters (a) to (c) to your requirements and effect printing. These parameters are available in SETUP functions.

BALANCE OPERATIONS & FUNCTIONS

5) BI-DIRECTIONAL RS232-INTERFACE.

Bi-directional RS-232 interface is provided in these balances to communicate with devices like computer, printer etc. The interface is provided through a nine pin D-type connector provided at the rear side of the balance. Connections are as below.

Pin 2 – RXD – Receive Data Pin 3 - TXD – Transmit Data

Pin 7 – Ground.

The Serial data transmitted and received are in standard ASCII mode (+/-15V)-ASYNCHRONOUS, 8 BITS, NO PARITY, 1 STOP BIT.

Baud rate: 2400 OR 4800 SELECTABLE.

The data format for weight output is

<+/->WWWWWW.WWb <bg/Ct> <CR><LF> (15 characters)

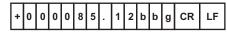
where WWWWW.WW is the weight

b – blank space - 20 hex

CR- Carriage Return – 0D hex

LF – Line feed - 0A hex

for example, weight 85.12 g will be sent as



where b=black(20H), CR=carriage return (0dH) LF=line feed (0a H)

The balance could be controlled by an external device like computer with the following commands.

7 - Tares the balance.

 $\mbox{W\#}$ - Number of times, the weight data is to be transmitted through the serial port.

can be any number from 1-9.



6. STORAGE OF WEIGHTS IN MEMORY:

Upto 100 weights can be stored in memory and recalled if required. The balance also computes the total weight of all the weights in memory. To use this option, set ACCU function to ON in SETUP functions.

a) Clear weights in memory.

Press key, the balance will display

Press key immediately, balance will display

Press key, balance will display

Press key to clear the memory.

Weights in memory and total weight will be cleared.

b) Storing weight in memory.

Remove all the weights from the pan and make the weight zero by pressing key.

Keep the sample on the pan and wait till the count becomes stable.

Press key, the balance will display -----
Press key immediately, balance will display Store

Press key to store the weight in memory.

Press key to quit mode.

BALANCE OPERATIONS & FUNCTIONS

c) Recalling weights from memory.

Press key, the balance will display -----
Press key immediately, balance will display StorE

Press key, balance will display (displays the sample no.)

followed by xxx.xx (displays the weight)

Press and weight data.

After the balance displays the last weight data, it will display Total count and total number of samples.

If STAT function is enabled(See SETUP function) then the balance displays AU xxx.xx (Average weight)

Press key, balance displays XXX.XX (Maximum weight)

Press key, balance displays XXX.XX (Minimum weight)

Press key, balance displays XXX.XX (Standard deviation)

Press key, balance displays XXX.XX (Coefficient of Variation)

While viewing the above, Press key to print all the results on a serial printer. Sample printout will appear as below.

(Set PRINT	option to "	"	in	SETUP)

		StorE	
Sr.no.	DATE	TIME	WEIGHT
1.	12.10.04	13:30:20	12.56 g
2.	12:10.04	13:31:05	12.50 g
3.	12.10.04	13:31:25	13.40 g
4.	12.10.04	13:31:50	12.90 g
5.	12.10.04	13:32:05	12.03 g
6.	12.10.04	13:32:40	12.30 g
7.	12.10.04	13:32:55	12.56 g
8.	12.10.04	13:33:20	13.00 g
9.	12.10.04	13:33:55	11.95 g
10.	12.10.04	13:34:30	12.50 g

TOTAL : 125.70 g
AVERAGE : 12.57g
MAXIMUM : 11.95g
MINIMUM : 13.40g
STD. DEV. : 0.439
C.V. : 3.50%

BALANCE OPERATIONS & FUNCTIONS

7) POWER SAVING MODE

Power saving mode feature will further enhance the battery backup time by switching off the display whenever the weight displayed is zero. The balance will come out of Power saving mode when the displayed weight is not zero.

To enable this feature, refer SETUP mode.

8) PEAK HOLD MODE

Peak hold feature will enable the balance to hold the display to the maximum weight (Peak weight) displayed. When used in this mode, the balance will be continuously displaying the maximum or peak weight measured by the balance, even after the weight is removed from the pan. This feature is optional.

For using this mode, this function should be enabled in the SETUP mode.

For putting the balance into PEAK HOLD mode,

Press (



and

keys simultaneously. The balance will show,

-PER-

Press (sisplay

and 锇

keys to exit peak hold mode, the balance will

nor

9) PIECE COUNTING MODE

Contech CAS-CAI series balances can be used for piece counting purposes also. Piece calibration of 25 items can be stored in memory. Accuracy of piece counting depends on the uniformity in weight of the items and the sample size used for piece calibration. Better the weight uniformity and more the sample size, better will be the accuracy.

Use SETUP function to select proper piece counting mode before using. There is an option to select 1, 10, 25 or none piece counting modes. See relevant section in SETUP functions for more details.

Selection of piece counting memory (item)

Press PRINT



keys till the balance displays

PAct !





keys to change between different piece counting

Piece Calibration

Select proper piece counting memory as mentioned above.

Make the Weight read zero by pressing the



key. Weight of any

container/bags used should also be made zero by pressing



Keep known number of pieces on the pan.

Press F

key, the balance will display

PC xxxx

13

BALANCE OPERATIONS & FUNCTIONS

Use equa



 (\mathbf{v})

keys to change the number of pieces and make it

to the pieces kept on the pan.

Press

key. T

key. The balance will display

Balance does piece calibration and displays the number of pieces on the pan, say

1 250

10) OPERATING IN SIMPLE TARE MODE:

In SIMPLE mode, balance can be operated in its simplest mode. In this mode.

Press



to make the weight zero.

All other functions will be disabled

11) SET POINT FACILITY

This facility enables the user to set up to 2 weights for comparison with the current weights to activate different events. This feature is controlled by 3 SETUP functions.

1. F{LL - Make it 🖺 -nn

2. SEL-PL - Make it SFL-1, SEL-2 for 1 or 2 Set Points

3. F_LYPE swapping - Make it F-TYPE 1 or F-TYPE 2 for event depending on the requirement.

For setting weights, Press



key, and

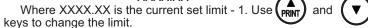
immediately followed by



key.

the balance will show

FILL-I and followed by







To discard changes, Press (&) &





keys simultaneously or

key to save.

The balance will show

FILL-2 (If fill option is on and limit is set to SET-2)

For some time and will display Where XXXX.XX is the current set limit. Use (PRINT) and (▼) keys to change the limit.





To discard changes, Press (4) &



kevs simultaneously or



key to save.

BALANCE OPERATIONS & FUNCTIONS

13) DENSITY DETERMINATION OF SOLIDS

This is an optional feature, valid only if this facility is available in the product supplied. Balance calculates the density of solids based on Archemedis principle and displays it. The sample is weighed in both Air & Water and the balance calculates the density. There is a provision for entering the water temperature, so that necessary correction is applied for calculating density.

There are 2 types of density measurements.

1. Normal mode

D - Density

DL – liquid density (Programmable)

DW – Density of Water at measuring temperature.(If water is used)

For DW. Water temperature is programmable from 10 to 50 deg.C

DL is also programmable.

If DL is set to 1.0000 then water temperature correction will be applied.

If DL is set to a value other than 1.000 then water temperature correction will not be applied.

For example Weight in Air = 8.323g, Weight in water = 6.222g Water temperature = 25deg. Liquid density = 1.0000

Density = 3.9497 g/cc

2. SETTING WATER TEMPERATURE

Measure the temperature of water with a good thermometer. Set the temperature value in the balance by the following.

Press



key, the balance will show SFL!!P

And immediately press



If date/time or limit functions are enabled balance goes through those entries.

Press



keys repeatedly till the balance displays

Έሮ XX

where xx is the currently stored temperature in memory.



and

keys to change the temperature and

Press



kev to save.

Note that maximum temperature cannot be more than 50 deg.

3. SETTING DENSITY OF LIQUID



key, the balance will show SEL UP

And immediately press



where x.xxxx is the currently stored density.

PRINT key to save.



keys to change the density and Press



NOTE: IF THE DENSITY OF THE LIQUID IS PROGRAMMED VALUE OTHER THAN 1,0000 THEN WATER TEMPERATURE CORRECTION WILL NOT BE PERFORMED.

IF DENSITY OF LIQUID IS 1,0000 THEN DENSITY WILL BE CORRECTED FOR WATER TEMPERATURE.



BALANCE OPERATIONS & FUNCTIONS

4. DENSITY TESTING

Keep the sample on the upper pan of balance, wait for the weight display to become stable.



key followed by

key. The balance will display

and the weight (Weight in Air) will be stored in memory.

Remove the sample from the upper pan and keep the same sample on the lower pan immersed in water. Wait for the weight display to become stable.

Press



key followed by

key. The balance will display

- SEcond

and the weight (Weight in water) will be stored in memory.

The balance now calculates the density and displays it.

XX.XXX

key. The balance will display weight in air

XXX.XX

key again, The balance will display weight in water

Press

key again, The balance will display displaced volume of water

Press

key again, The balance will display density

XXX.XXX

For viewing the result any time during normal weighing,

Press



followed by



Press

key while balance is displaying density to print the results.

For example

WT. IN WATER: 122.56 a DISP. VOLUME: 7.21 q

WT. IN AIR: 115.35 g

DENSITY: 16.998 g/cc



13) TEXTILE COUNTS

CAS/CAI Series balances directly calculate and display textile counts like cotton count, denier count. Tex Count, Worsted Count and sliver. This is an optional feature. The following details are valid, only if this feature is available in the balance. Enable this option in SETUP functions. (See Setup functions for more details). Length of the sample for the above counts are as follows.

> Cotton Cotton count - 120 vd. dEn l'Ec Denier count - 90 m. Tex count - 10 m Jor SEEd Worsted count - 10 yd. SLIDER Sliver - 10 yd.







kevs to change the unit.

Cotton For ea.

Balance will display cotton count directly. It is also possible to analyse the samples for consistency using statistical method.

For using statistical method, enable the SEAE and RCCU options in SEE UP

functions. Also set the PRINT option to Shark

For beginning the tests, clear the memory by the following.

key, the balance will display Press

key immediately, balance will display StorE Press

Press key, balance will display CLERG

key to clear the memory. Press

Store counts of all the samples to be tested one by one as per the following. Remove all the weights from the pan and make the weight zero by

pressing



BALANCE OPERATIONS & FUNCTIONS

Keep the sample on the pan and wait till the count becomes stable

key, the balance will display Press

key immediately, balance will display Press

key to store the count in memory.

Store all the counts in memory with above procedure. For viewing sample data and other statistical details, do the following.

key, the balance will display Press key immediately, balance will display Press

key, balance will display XX (displays the sampleno.) Press followed by XXX.XX (displays the count)

and (▼ Press kevs to see all sample data. After the balance displays

last data, it will display Total count and total number of samples. Then it displays

AU xxx.xx (Average count) key, balance displays xxx.xx (Maximum count) ΠÄ key, balance displays (Minimum count) Press $\cap \cap$ (Standard deviation) Press key, balance displays 58 key, balance displays xxx.xx (Coefficient of Variation) Press

While viewing the above, Press key to print all the results on a serial printer. Sample printout will appear as below.

COUNT Sr.no. 12.56 CC 1. 12.50 CC 2. 3. 13.40 CC TOTAL : 125.70 12.90 CC AVERAGE: 12.57 5. 12.03 CC MAXIMUM: 11.95 12.30 CC 6. MINIMUM : 13.40 7. 12.56 CC 13.00 CC STD. DEV.: 0.439 11.95 CC C.V. : 3.50% 10 12.50 CC

14) GSM APPLICATION

CAS-CAI series balances can be used to determine GSM(Grams per Sq.meter). The following description is valid only if this feature is available in the balance and enabled. The balance displays directly the GSM value of fabric or paper of specified area. Enable GSM feature in the SETUP functions. 5 pre-programmed area (rectangular or round) are available in the balance. Standard areas are:

1. 5 X 5 cm

10 X 10 cm

3. 20 X 20 cm

25 X 20 cm

5. 25 X 25 cm

Select GSM mode:



and

keys to change till the balance displays - \mathfrak{g} -

Balance now enters GSM mode.

For changing the area, Press (ENTER)



kev. the balance displays



key immediately, balance displays

Repeat the procedure till desired area is selected.

15) PERCENTAGE WEIGHING

Selection of percentage weighing mode.





keys till the balance displays

PERCENTAGE weighing function is used to determine % weight gain/loss. Any weight within the capacity can be set to be 100%. The balance displays the weight gain/loss in % of the original weight. This function must be enabled using SETUP function. This feature is very useful in determining % loss/gain in moisture in food/tea/pharmaceutical industries.

For eg. Keep a 25g weight on the pan.



key, the balance calibrates 25g as 100% and

displays 100.0

After this any change in weight on the pan will be indicated as % of original weight(25g), till the balance is calibrated for 100% with another weight.

BALANCE OPERATIONS & FUNCTIONS

16) AUTOCALIBRATION WITH STANDARD WEIGHTS

CBB-Series balances can be calibrated for weight with standard mass. Balances can be calibrated with 100g, 200g, 500g and 1000g weights depending on the models.

Models upto 1kg can be calibrated with 100g,200g,500g, 1000g weights Models upto 600g can be calibrated with 100g,200g,500g weights

Models upto 350g can be calibrated with 100g,200g weights

Models upto 300g can be calibrated with 100g,200g weights

Models upto 220g can be calibrated with 100g,200g weights

Models upto 125g can be calibrated with 50g, 100g weight.

Enable calibration function in SETUP mode before attempting to calibrate the balance.(Refer SETUP functions for more details). This function should not be made available to the end user, if there is any restriction in usage of this function.

CALIBRATING THE BALANCE

Use only good calibrated weights for performing auto calibration.

Press (1) key to make the weight read zero.

Keep the standard mass on the pan and wait for it to become stable.

Press kev.

Balance will display

And will subsequently display [A] donE

For setting balance calibration back to default factory setting,

key and immediately press (F) key.



Balance will display

Balance weight calibration will now be restored to factory settings.



17) WEIGHT SLIP PRINTING

In this mode, the balance prints weight with date, time and details of the articles like gold/silver/diamond.

To use this mode, set PRINT option to Prf-6 in SETUP mode.

To select the item, Press (SETUP)



key followed immediately by



the balance will display

-gold-

to select item gold or press



key followed immediately by



the balance will display

-516-

to select item Silver or press (SETUP



key followed immediately by



the balance will display to select diamond.

-diA-

Set Date and time as given earlier in the manual (Refer to section on Changing date, time, Sr.no.)



key to print the slip. A sample printout will appear as below.

XYZ Co. **ADDRESS ADDRESS**

Sr.No : 23

Date: 11.09.2006 Item : GOLD Weight: 11.250g

Charges: Rs.

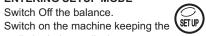
Thank You. Visit again



SETUP FUNCTIONS

ENTERING SETUP MODE

Switch Off the balance.



key pressed. Do not release this key

until the balance displays

SEE UP

And subsequently displays

FACE

For changing between the menu mentioned above









For selecting the menu, Press



For changing the parameters, Press



key and Press

to save.



to quit setup mode.

*** PLEASE NOTE THAT SOME FUNCTIONS IN THE BALANCE MAY NOT BE LEGAL IN SOME PLACES. THESE FUNCTIONS SHOULD NOT BE MADE AVAILABLE TO THE END USER. THESE UNITS CAN BE SWITCHED OFF BY PROGRAMMING. ***



SETUP FUNCTIONS

SETUP functions control the basic operation of the balance. There are 29 parameters, which can be set by the user to suit the requirements. The following are the parameters.

MENU NAME 1. FRCE	FUNCTION Factory setting	OPTIONS	DESCRIPTION To select factory set parameters.
2. PR-t5	Piece counting modes	PArt-1 PArt-10 PArt-25 no PArt	To select single piece counting memory. To select 10 piece counting memory. To select 25 piece counting memory To disable piece counting.
3. bAUd	Baud rate setting	642400 644800	To select 2400 baud rate To select 4800 baud rate
4. Print	Print modes set.	SingLE	Send stable weight through serial port when RINT key is pressed.
		SE6 AUL SEorE	Send weight through serial port Every time balance reading becomes stable. Send weight continuously. Send stored weights through serial port.
(Ability	Auto zero setting of the balance to remain when there is no weight pan.	A-0 A-1 A-2 A-3	Autozero disabled. Autozero to half accuracy of balance. Autozero to full accuracy of balance. Autozero to twice the accuracy of balance.
6. ACCU	Weight storage mode	Ac-no Ac-YES	Weight storage disabled Weight storage enabled
7. F{LL	Fill mode option	FL-oFF FL-on	Fill mode disabled Fill mode enabled



SETUP FUNCTIONS

8. -[AL-	Auto calibration	CAL-off CAL-on	Autocalibration disabled Autocalibration enabled
9. Pound	Pound weighing	Pnd-off Pnd-on	Pound weighing disabled Pound weighing enabled
10. (A-AL	Carat weighing	(rt-off (rt-on	Carat weighing disabled Carat weighing enabled
^{11.} FolA	tola weighing	tol-off tol-on	Tola weighing disabled Tola weighing enabled
12. GrAin	Grain weighing	CrAin-oFF CrAin-on	Grain mode disabled Grain mode enabled
13. PE -[% weighing	PEr(-off PEr(-on	% mode disabled % mode enabled
^{14.} USĀ	GSM	65ā-off 65ā-on	GSM mode disabled GSM mode enabled
15. PS	Power saving mode	PSA-oFF PSA-on	Power saving mode disabled Power saving mode enabled
16. P-HoLd	Peak hold mode	PHF-oFF PHF-on	Peak hold mode disabled Peak hold mode enabled



SETUP FUNCTIONS

17. 3d-5EE Third decimal	mode P3d -of	
18. L.ELE Title printing	ŁLE -of ŁLE -or	· · · · · · · · · · · · · · · · · · ·
19. P-EYPE Select printing	g mode P-EYPE { P-EYPE }	Horizontal Printing mode Vertical Printing mode
20. Pr.FmE Select print fo	Pr,F 1 Pr,F 3 Pr,F 4 Pr,F 5 Pr,F 6	Only weight Sr.no. Weight Sr.no., Date, Weight Sr.no., Time, Weight Sr.no., Date, Time, Weight Weight slip Printing
21. SEE-PE Select set poi	nt mode SEE-1 SEE-2	Single set point 2 set points.
22. F-LYPE Select set poi	nt type F-EYPE { F-EYPE 2	+ve Logic outputs for fill application -ve Logic outputs for fill application
23. dEnS Density mode	dEn5-of dEn5-or	Danish and de an
24. Count Textile count i	node. Countro Countro	FF Textile Count mode off Textile Count mode on.
25. SEAL Statistical rep	ort mode SEAE-ol SEAE-ol	0

SETUP FUNCTIONS

Factory default parameters.

i dotory dorad	it paramotoro:	
PRHES	PR-t-1	To select single piece counting memory
68Ud	6d4800	To select 4800 baud rate
Print	SingLE	Send stable weight through serial port
RUEo-O	A-1	Autozero to half accuracy of balance
RCCU	Ac-no	Weight storage disabled
FILL	FL-0FF	Fill mode disabled
(AL	(AL-off	Autocalibration disabled
Pound	Pnd-off	Pound weighing disabled
(ArRE	(rt-off	Carat weighing disabled
tolA	tol-off	Tola weighing disabled
grAin	CrAin-oFF	Grain mode disabled
%	PEr(-off	% mode disabled
OSA .	CSA-off	GSM disabled
PS-	PSA-off	Power saving mode disabled
P-HoLd	PHF-oFF	Peak hold mode disabled
3d-5Et	P3d -oFF	Third decimal mode disabled
FIFFE	tLE -off	Title printing disabled
P-EYPE	P-EYPE (Horizontal Printing mode
Pr.Finit	Pr.F l	Only weight
SEE UP	SEE-1	Single set point
F-EYPE	F-EYPE (+ve Logic outputs for fill application
Count	Count-OFF	Textile counts off
dentype	dEnS-oFF	Density type 1
SERE	SERE-OFF	Statistical reports off-
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