



Scout® *Pro* Balance Instruction Manual

Balanza Scout® *Pro* Manual de instrucciones

Balance Scout® *Pro* Manuel d'instruction

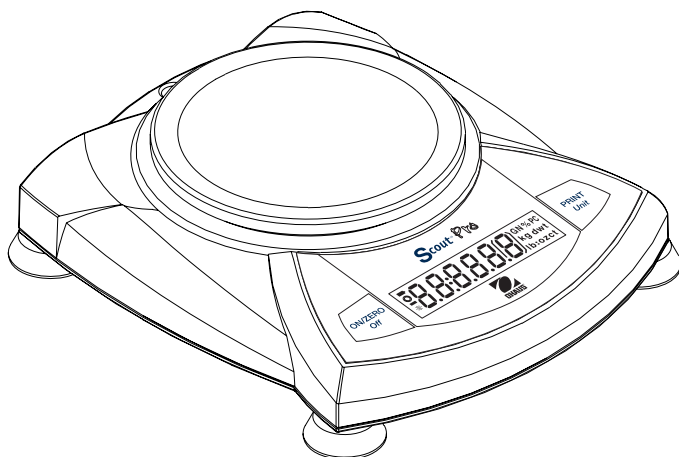


TABLE OF CONTENTS

1. INTRODUCTION	EN-3
Safety Precautions	EN-3
2. INSTALLATION	EN-3
Unpacking	EN-3
Installing Components	EN-4
Releasing the Shipping Lock	EN-4
Platform Installation	EN-4
Security Bracket	EN-4
Selecting the Location	EN-4
Balances with Level Adjustment	EN-4
Connecting Power	EN-5
Battery Installation	EN-5
AC Adapter Installation	EN-5
3. OPERATION	EN-5
Overview of Controls and Display Functions	EN-5
Button Functions	EN-7
Symbols Used for Operation of the Balance	EN-8
Turning the Balance On	EN-8
Turning the Balance OFF	EN-8
Navigating the Menus	EN-9
Menu Structure	EN-9
Entering the Menus	EN-10
Accepting/Bypassing an Individual Menu Item	EN-10
Entering the .S.E.T.U.P. Menu	EN-11
Turning Display Hold or Totalize Mode On	EN-11
Exiting the .S.E.T.U.P. Menu	EN-12
Entering the .U.N.I.T. Menu	EN-12
Parts Counting	EN-13

TABLE OF CONTENTS (Cont.)

Calibration EN-13

 Span Calibration EN-13

 Linearity Calibration EN-14

Applications EN-15

 Weighing EN-15

 Weighing with Tare EN-15

 Parts Counting EN-16

 Percent Weighing EN-17

 Establishing a New Reference Weight EN-18

 Exiting Percent Weighing EN-18

 Display Hold EN-18

 Exiting Display Hold EN-19

 Totalize EN-19

 Clear Exit Totalize EN-20

Additional Features EN-20

 Weigh Below EN-20

 LFT (Legal for Trade on certain balances) EN-20

 Lock Switch EN-21

 Sealing the Balance EN-21

4. MAINTENANCE EN-22

 Cleaning EN-22

 Troubleshooting EN-22

 Error Codes List EN-23

 Accessories EN-24

5. TECHNICAL DATA EN-25

 Specifications EN-25

 Compliance EN-27

 Warranty EN-28

1. INTRODUCTION

The Scout *Pro* offers parts counting with auto optimization, display hold, totalize and % weighing. Models are available with ranges from 200g to 6000g.

Scout *Pro* standard features include:

- Battery or AC operation (AC adapter included)
- Integral security bracket
- Programmable auto shut-off
- Span calibration masses included on certain models
- Optional USB or RS232 interface available

Safety Precautions

Please follow the safety precautions as listed:

CAUTION:

- Do not operate the balance around corrosive fumes.
- Use only the adapter provided with the balance.
- Do not try to service the Scout *Pro* balance.
- Before plugging in the balance, make sure that the voltage rating of the power adapter and the AC supply voltage match.



2. INSTALLATION

Unpacking

Inform your Ohaus dealer if parts are missing.

Your Scout *Pro* package contains:

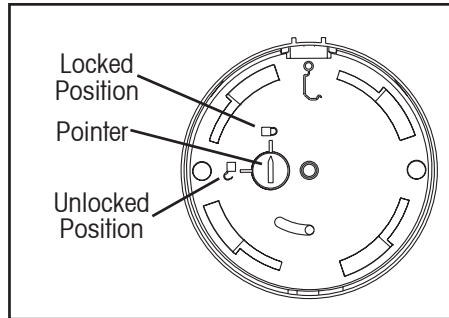
- Scout *Pro* Balance
- Warranty card
- AC Power Adapter
- Platform
- Instruction Manual
- Calibration Masses (on certain models)

Store the packaging material for future transport.

Installing Components

Releasing the Shipping Lock

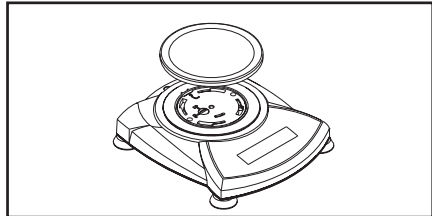
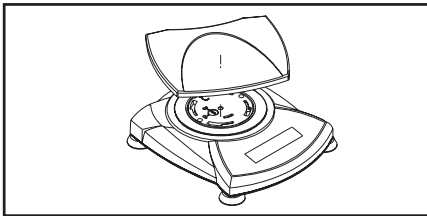
On top of the balance, turn the pointer 90 degrees counter-clockwise to unlock.



Releasing the Shipping lock.

Platform Installation

Balances with a rectangular platform are placed into the subplatform as shown and rotated counter-clockwise until it locks. Round platforms are placed straight down on subplatform.



Platform Installations.

Security Bracket

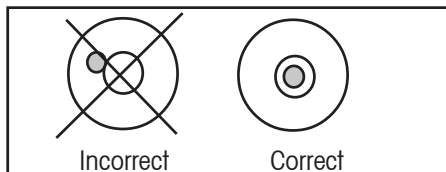
A security bracket is provided at the rear of the balance allowing the balance to be secured by an optional cable and lock accessory.

Selecting the Location

For best performance, the Scout Pro balance should be used in a clean, stable environment. Do not use the balance in environments with excessive drafts, with rapid temperature changes, near magnetic fields or near equipment that generates magnetic fields, or vibrations.

Balances with Level Adjustment

Balances containing leveling feet and a bubble level must be leveled before using. See illustration for correct leveling.



Bubble Level indicator

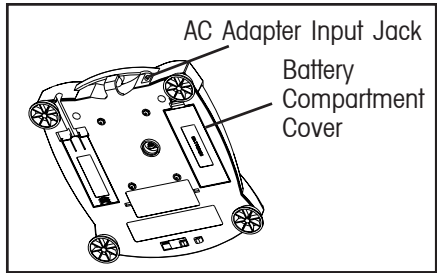
Connecting Power

Battery Installation

Install the Four "AA" batteries with polarity as shown in the battery compartment.

AC Adapter Installation

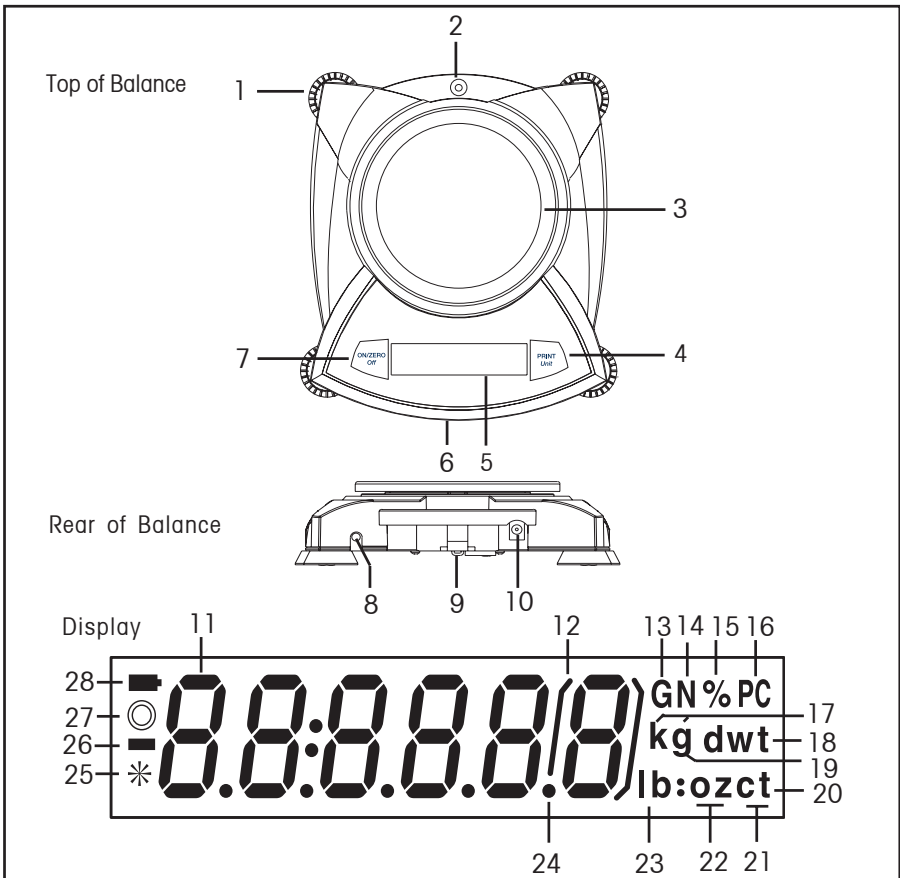
Plug the AC adapter into the jack at the rear of balance.



Battery and AC Power Connections

3. OPERATION

Overview of Controls and Display Functions



No.	Designation	Function
1.	Feet ¹	Provides leveling for certain models.
2.	Spirit Level ¹	Provides level indication.
3.	Platform	Weighing platform, either round or rectangular.
4.	PRINT Unit button	Prints data, scrolls through units, steps through menu options.
5.	Display	LCD display with icons.
6.	Lockswitch	Locks certain menu functions, located under balance.
7.	ON/ZERO Off button ²	On/Off, Zero, enters menu, accepts menu settings.
8.	USB or RS232 port	Optional kit for either RS232 or USB operation.
9.	Security Bracket	Part of balance for optional external cable and lock.
10.	Power Input Jack	Connector for AC adapter.
11.	7-segment LCD	Part of 6-digit LCD display.
12.	Brackets	Auxilliary indication.
13.	G	(not used)
14.	N	(not used)
15.	%	Indicates percent weighing.
16.	PC	Indicates pieces during parts counting.
17.	kg	Indicates weight in kilograms. (certain models)
18.	dwt	Indicates weight in pennyweights.
19.	g	Indicates weight in grams.
20/22.	oz t	Indicates weight in troy ounces. (certain models)
20.	t	Indicates weight in totalize mode (or tael in certain models).
21.	ct	(not used)
22.	oz	Indicates weight in ounces.
23/22.	lb:oz	Indicates weight in pound:ounces. (certain models)
23.	lb	Indicates weight in pounds. (certain models)
24.	•	Decimal point.
25.	*	Stability indicator, indicates stable weight and Display Hold when flashing.
26.	-	Negative sign.
27.	○	(not used)
28.	■	Battery indicator flashes when battery is down to approximately 20 minutes of power remaining.

- NOTES:
1. Certain models are provided with leveling feet and spirit level.
 2. This button is configured either as "ON/ZERO Off" or "ON / O/T Off" depending on country. There is no difference in functionality.
 3. Unit measurement varies by model.

Button Functions

Two switches provide the necessary functions to access a given menu, select a function and to turn it on or off. Functions are listed as follows:



ON/ZERO Off Button


<p>Primary Function (ON/ZERO)- Turns on balance. If balance is on, zeros the display.</p>
<p>Secondary Function (Off)- Turns balance off, OFF will be displayed after button is held for 3 seconds. In Display Hold or Totalize mode, a long press exits the mode without turning the balance off.</p>
<p>Menu Function- An extended long press (>5 seconds) during power up will cause the balance to enter the Menu mode. A short press is used to accept a setting on a display.</p>

PRINT Unit Button




<p>Primary Function (PRINT)- Sends print command to interface port. If Display Hold or Totalize mode is active, a short press will enter that mode.</p>
<p>Secondary Function (Unit)- Press and hold scrolls through units. Release on desired unit.</p>
<p>Menu Function- Will bypass setting shown on display.</p>



Symbols Used for Operation of the Balance


Symbols are used to simplify the setup and operation of the balance. A description of each symbol follows:

 Press

The clock symbols adjacent to the finger symbol indicates the length of time to press a button.

-  1 second momentary press.
-  3 second extended press.
-  5 second extended press.

  Panel control buttons used to initiate actions.

 Displays are shown as they actually appear on the balance. A model with 200g capacity was used for the displays shown in this manual.



- Indicates scrolling to a final display. The first and last displays are shown.
- ➡ Indicates advances to next display.




Turning the Balance On

 ➡  ... 

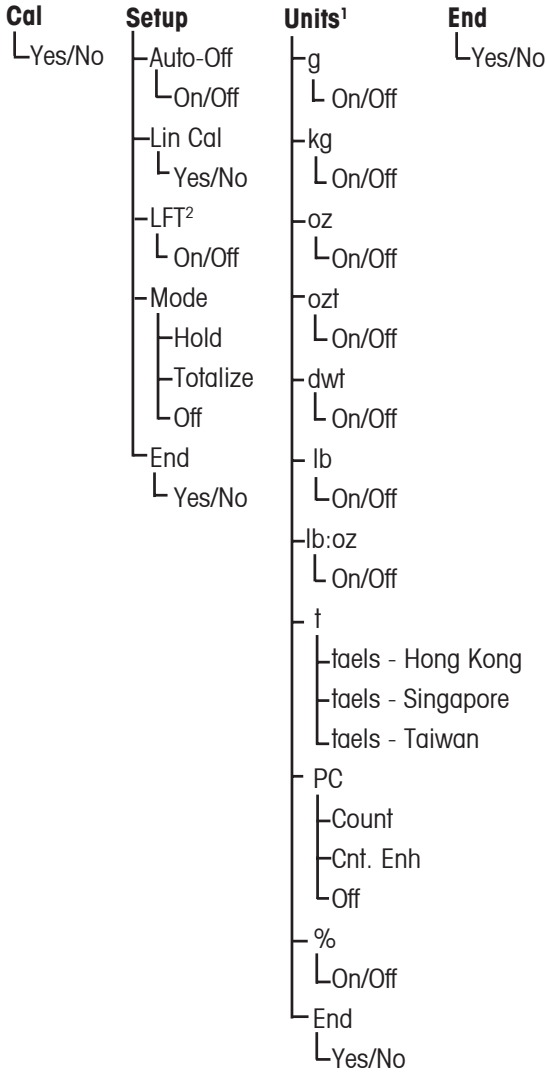
Turning the Balance Off

 ➡  ➡ 

Navigating the Menu

Menu Structure



NOTES:

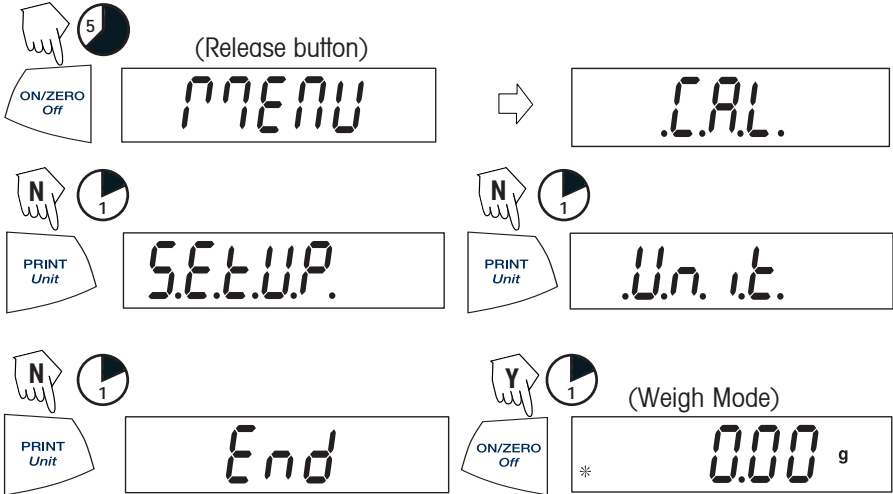
1. Refer to specification table for available units.
2. LFT models only.

Entering the Menu

There are four main menus in the balance: **.C.A.L.**, **.S.E.T.U.P.**, **.U.N.I.T.S.** and **.E.N.D.**

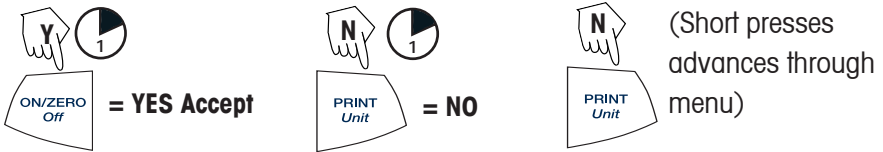
Start with the balance off and the Lock Switch off (see page 21).

The sequence is shown below.



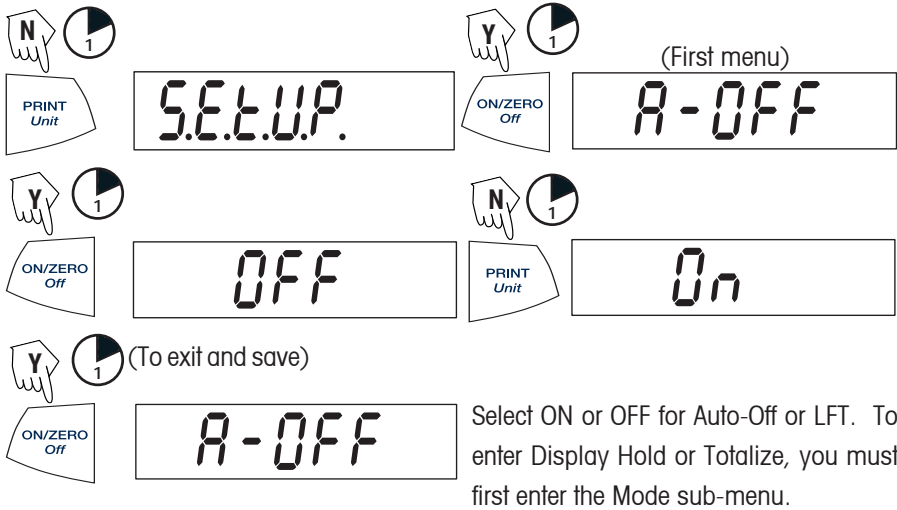
Accepting / Bypassing an Individual Menu Item

Start with menu item displayed.



Entering the .S.E.T.U.P. Menu

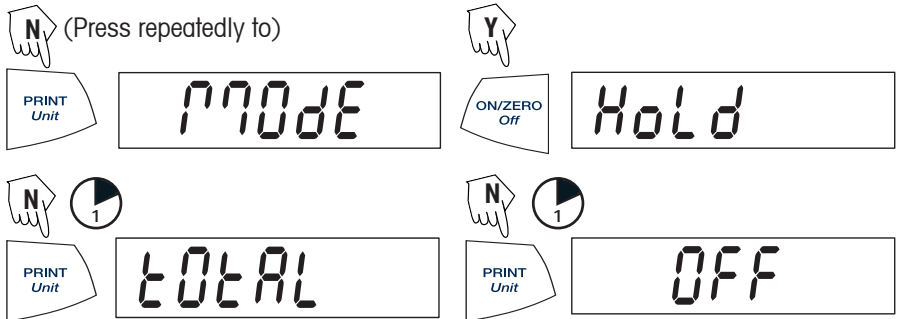
The **.S.E.T.U.P.** menu contains Auto-Off, LFT (in certain models), Linearity Calibration, Mode (Display Hold, Totalize) and END. Auto-Off and LFT can be turned on or off. Display Hold, and Totalize require entering the Mode submenu. Starting from the **.C.A.L.** menu.



Turning Display Hold or Totalize Mode On

NOTE: Only one mode can be active at one time.

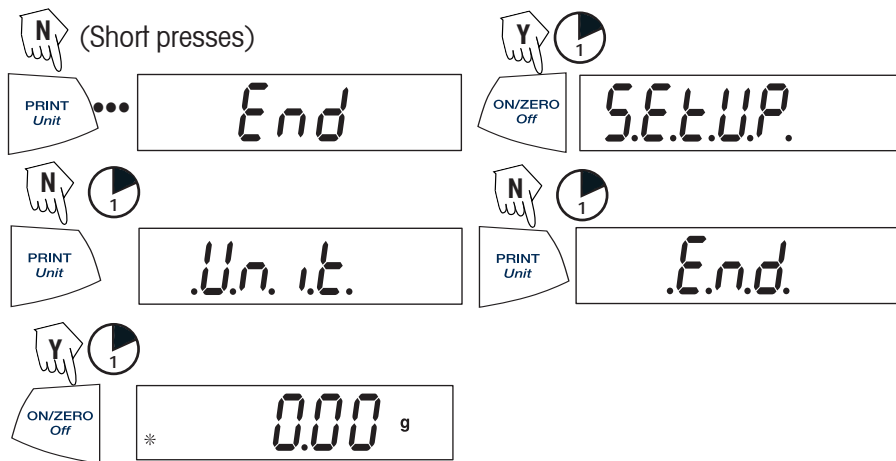
Start at the **.S.E.T.U.P.** menu.



Press YES to desired mode, then continue.

Exiting the **.S.E.T.U.P.** Menu

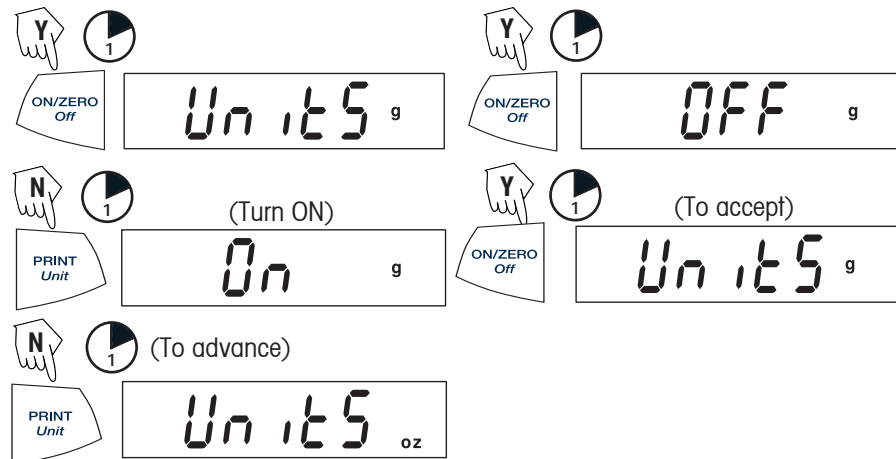
Select ON/OFF or YES/NO to desired menu items, proceed to **.E.N.D.** menu.



Entering the **.U.N.I.T.** Menu

The **.U.N.I.T.** menu contains units of measure, PC (parts counting), % weighing and END. Units vary with the model type. Determine which units are to be turned on or off.

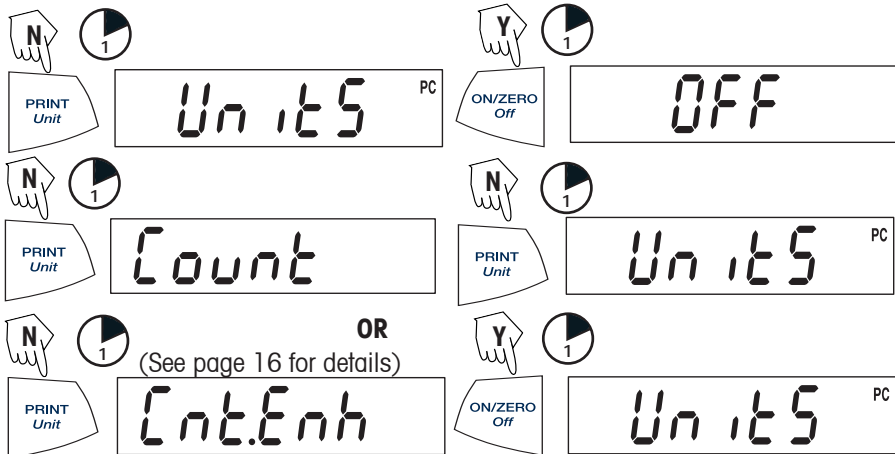
Start in the **.U.N.I.T.** menu. Select either ON or OFF for each unit.



NOTE: Repeated presses of **PRINT Unit** button will go though all units, you then may select ON or OFF. Parts Counting is slightly different.

Parts Counting

Two types of counting modes are available, standard or enhanced.



Exiting the .U.N.I.T. Menu

Use the same procedure as Exiting the .S.E.T.U.P. Menu.

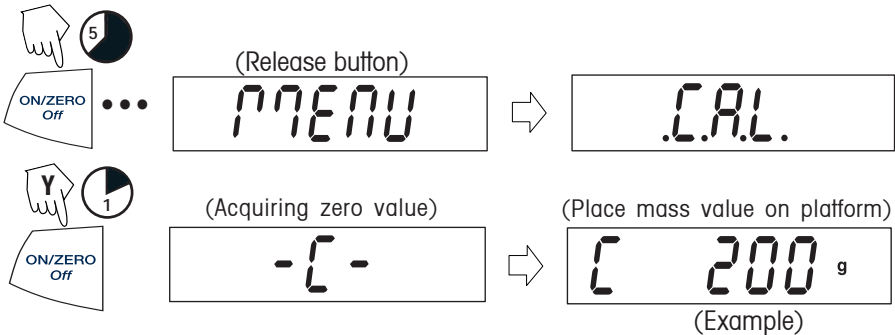
Calibration

Span Calibration

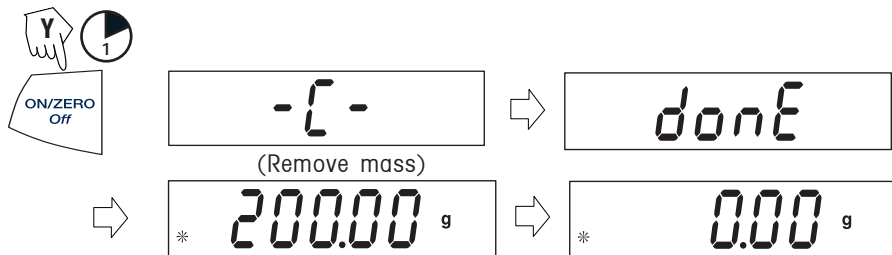
Span calibration uses two calibration points, zero and a specified calibration weight. Before beginning calibration, make sure the Lock Switch is off. Clear the platform.

NOTE: Value of calibration mass depends on capacity of balance. After calibration, the balance returns to the currently selected weigh mode.

Start with the balance OFF.

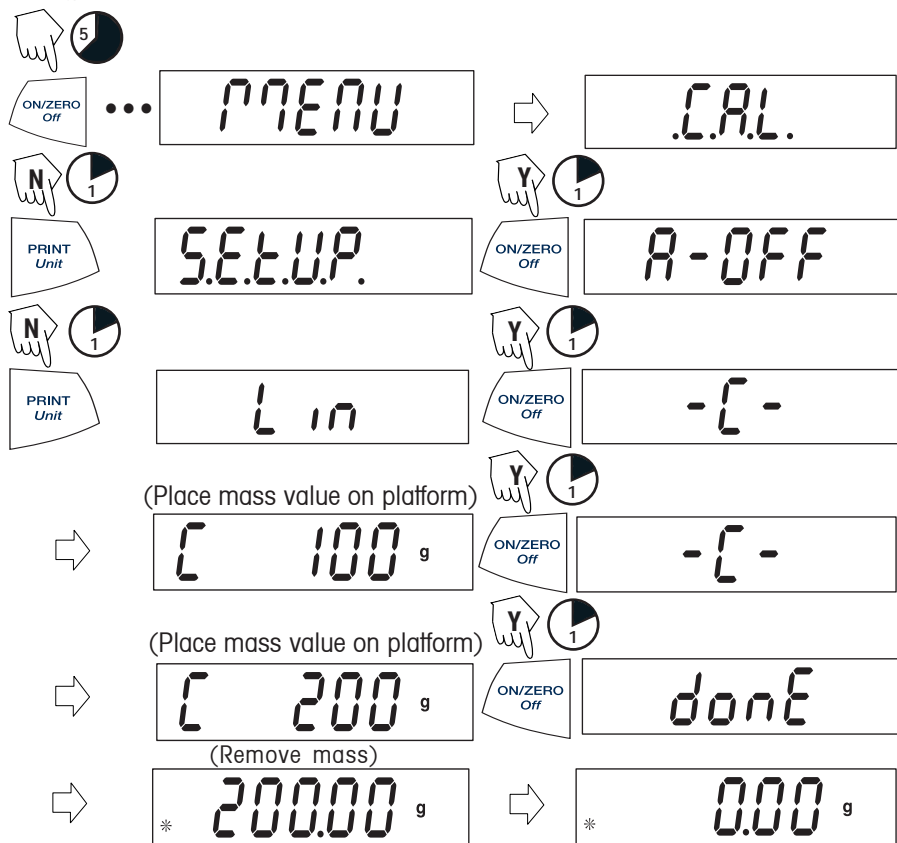


Span Calibration (Cont.)



Linearity Calibration

Linearity calibration uses three calibration points; zero, mid-scale and full scale. Lin Cal must be selected and set to YES in the **S.E.T.U.P.** Menu. Before beginning calibration, make sure the menu Lock Switch is off. Clear the platform. Start with the balance OFF.

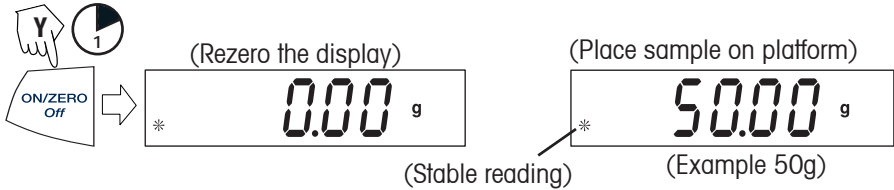


Applications

Scout Pro applications include: Weighing, Parts Counting, Percent Weighing, Display Hold and Totalize.

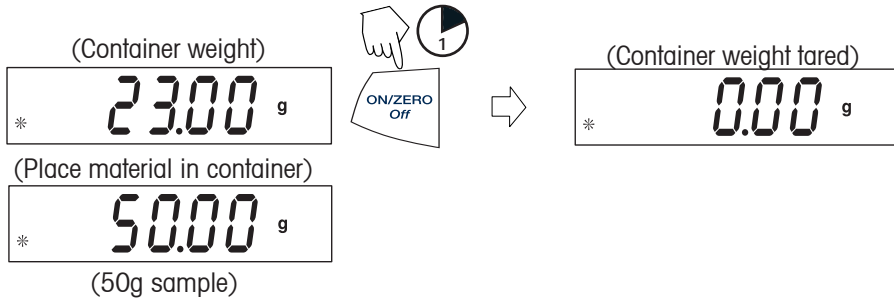
Weighing

Start with the balance on.



Weighing with Tare

Taring zeros the container weight. With the balance on, place an empty container on the platform. (Display example indicates a container weight of 23g.)



NOTE: Removing the container and material from the platform will cause the balance to display the container's weight as a negative number. The tared weight remains until **ON/ZERO Off** button is pressed again or the balance is turned off.

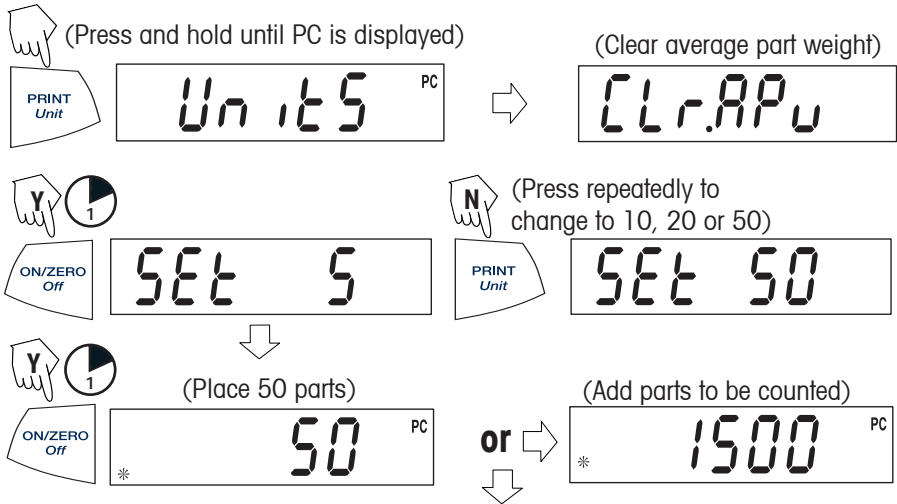
(Remove container with material)



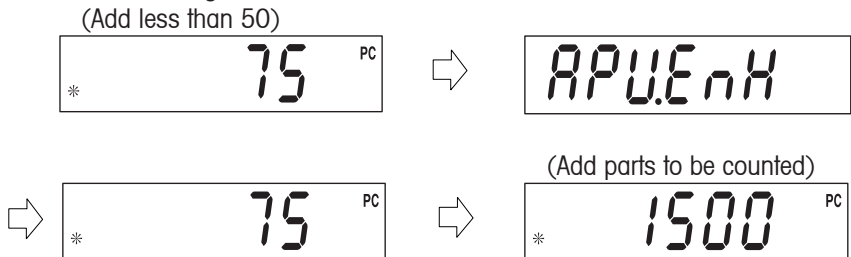
Parts Counting

Parts Counting is *enabled only* when PC is turned ON in the **.U.N.I.T.** menu. In parts counting mode, there are two modes of parts counting, normal and enhanced. In normal parts counting, the balance determines the quantity based on the average weight of the parts in the original reference quantity. In the enhanced mode, additional parts can be added to the platform equal to or less than the original number. The additional reference quantity produces a more accurate average part weight.

Standard Parts Counting



Enhanced Parts Counting



NOTE: The preceding procedure for enhanced counting can be repeated as many times as necessary providing the quantity added is less than the original entry.

Parts Counting (Cont.)

To count different parts, press and hold, until PC reappears, release Unit button.

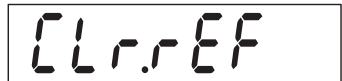


Percent Weighing

Percent Weighing is *enabled only* when Percent is turned ON in the .U.N.I.T. menu. Percent weighing permits placing a reference weight on the balance, then viewing other loads as a percentage of the reference. The reference weight equals 100%. Start in the weighing mode and zero the display.



(Press and hold until % is displayed)



(Place reference weight)



(Stores reference weight 100g)



(Example)


(Remove reference weight)

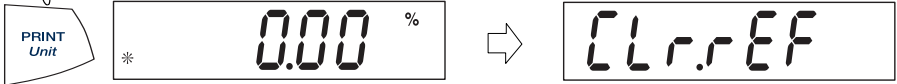


(Place load on the platform, display indicates percentage of reference weight.)




Establishing a New Reference Weight

 Press and hold until % on the display reappears, then release.



Repeat above procedure for new a reference weight.

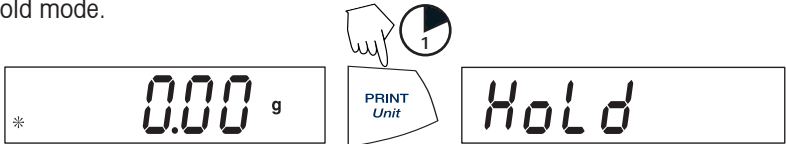
Exiting Percent Weighing

 Press and hold until desired unit is displayed.



Display-Hold

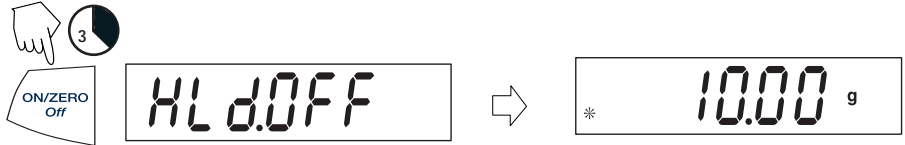
Display-Hold is *enabled only* when Hold is turned ON in the Mode submenu in the **.S.E.T.U.P.** menu. Display-Hold mode captures and stores the highest stable value. When displayed, the stable icon will blink. **NOTE:** Units cannot be changed when in Display-Hold mode.



Place item(s) on platform.



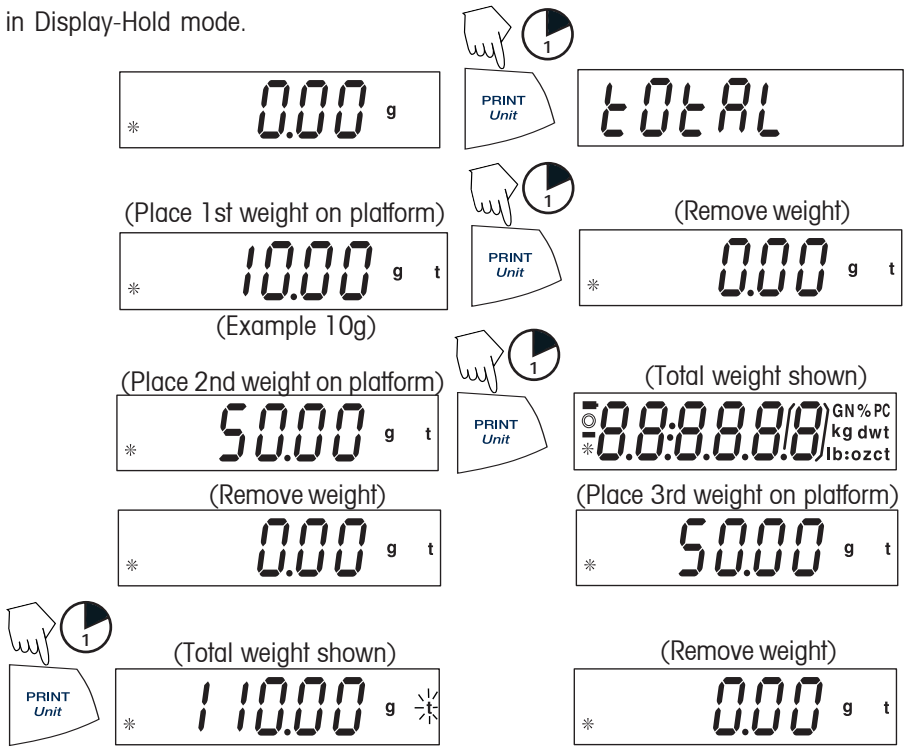
Exiting Display Hold



To return to display hold, repeat above procedure.

Totalize

Totalize is *enabled only* when Total is turned ON in the Mode submenu in the **.S.E.T.U.P.** menu. Totalize allows storage of a series of weight measurements. Totalize mode has been initiated when 'Y' and the current unit, i.e. (g) is displayed. When totalized weight is shown, the 'Y' indicator will blink. **NOTE:** Units cannot be changed when in Display-Hold mode.



Total weight will remain on the display until weight is removed. The total weight remains in memory. Total is limited to 999999.

