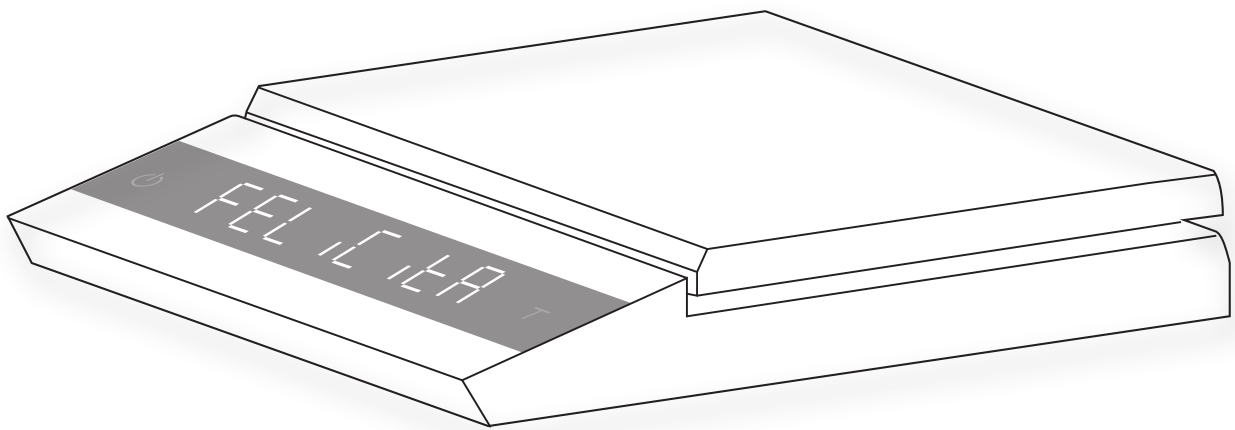


FELICITA | Parallel Operation Manual

Using Your FELICITA Coffee Scale



Identification

The instructions in this operation manual apply to the Felicita/Parallel. You have purchased a quality precision weighing scale that requires handling with care. Make sure to read through this operation manual prior to using the scale.

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Chapter 1: Scale at a Glance

Introduction

3. Thank you for choosing one of our scales. The Felicita IParallel is designed and manufactured to the most rigorous standard to give you the best coffee brewing experience. Start by checking that your Felicita IParallel box contains all the parts listed below:

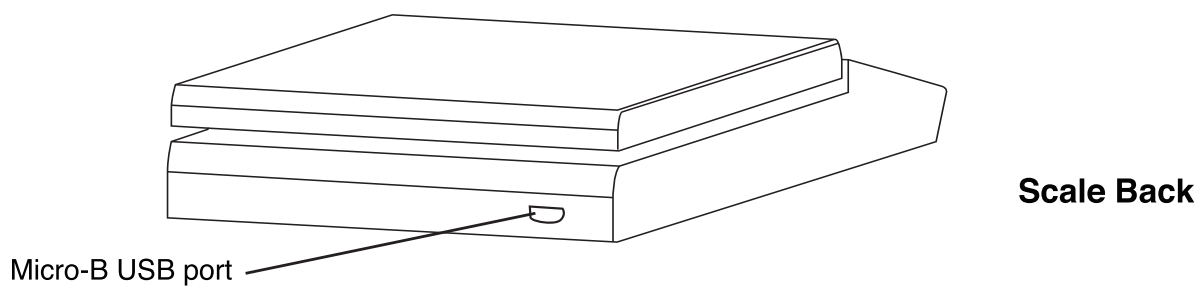
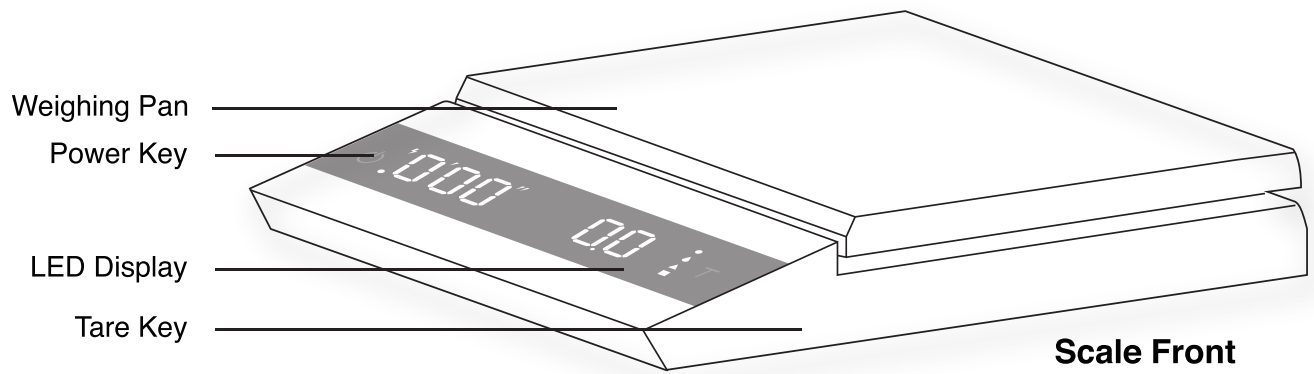
- | | |
|----------------------------------|----------------------|
| • Felicita IParallel | • Micro USB cable |
| • Felicita IParallel Weight 100g | • Heat Resistant Pad |

4. Next, follow the instructions in the Preparation and Installation sections in the manual to get started.
5. To take an advantage of its many features, carefully read through the operation manual containing step-by-step procedures, examples, and other information.
6. **Warning: Incorrect handling of this product could possibly result in personal injury or physical damage.**

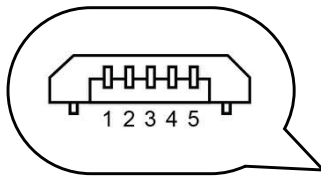
Specifications

Aprox. weight	600g		
Capacity	2000g / 70.54oz		
Measuring Units	g , oz		
Weighing range	Maximum capacity	2000.0g	70.540oz
	Division	0.1g	0.002 oz
Indication limit	2060.00g / 72.6600oz		
Unit dimensions	212mm(L) x 160mm (W) x 35 mm (H)		
Electrical Requirements	5V/500mA		
Power and Battery	Lithium-ion rechargeable 3.7V 1100mA		
Display	8 digit LED		
Top	Aluminum construction with acrylic window, touch sensitive buttons		
Bottom	Aluminum construction		
Connectivity	Bluetooth 4.0		
Linearity	+/- 0.2g		

Scale Overview

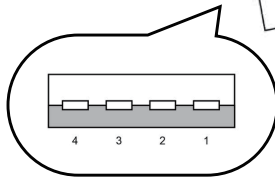
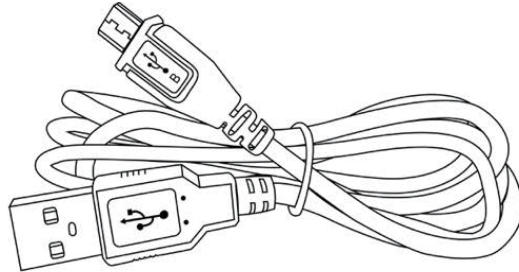


Accessories



Micro-B

Micro USB Charging Cable

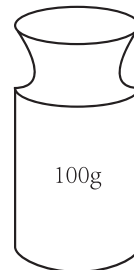


Type A

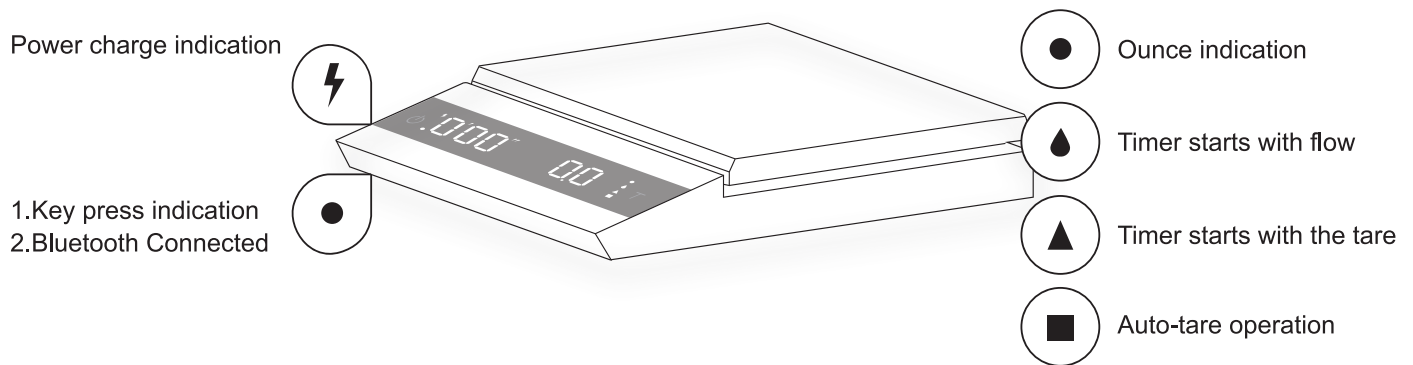
Buttons

*Please see **Chapter 3: Basics** for more details.

Felicita Scale Weight 100G



LED Indicators



Battery Charge

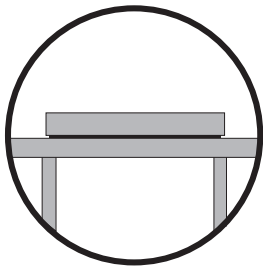
- You can charge the battery by plugging the USB cable to any power supply listed below:
 - A computer USB port
 - A cell phone charger with a micro USB connector
 - An automotive cell phone charger with a USB port or a Micro USB cable
- It takes 1-2 hours to fully charge the battery. You can charge the battery more frequently so that it will never run out of charge.
- Battery percentage can be viewed in Felicita Apps.
- It is not recommended to let the battery run out completely before charge.

Chapter 2: Getting Started

Preparation



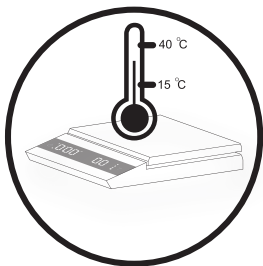
- This scale is intended for indoor use.



- Select a work place that is stable, vibration-free and, if possible, a horizontal location for the weighing platform.

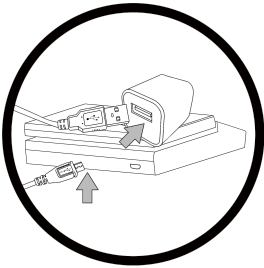


- Do not locate the scale near any equipment/instrument which contains magnets.

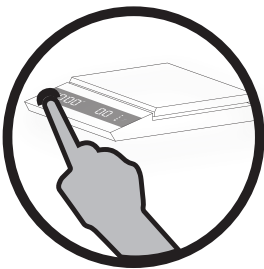



- Avoid places where room temperatures are unstable. Room temperature above 40°C or below 15°C may result in weighing inaccuracy.

Charging and Setup



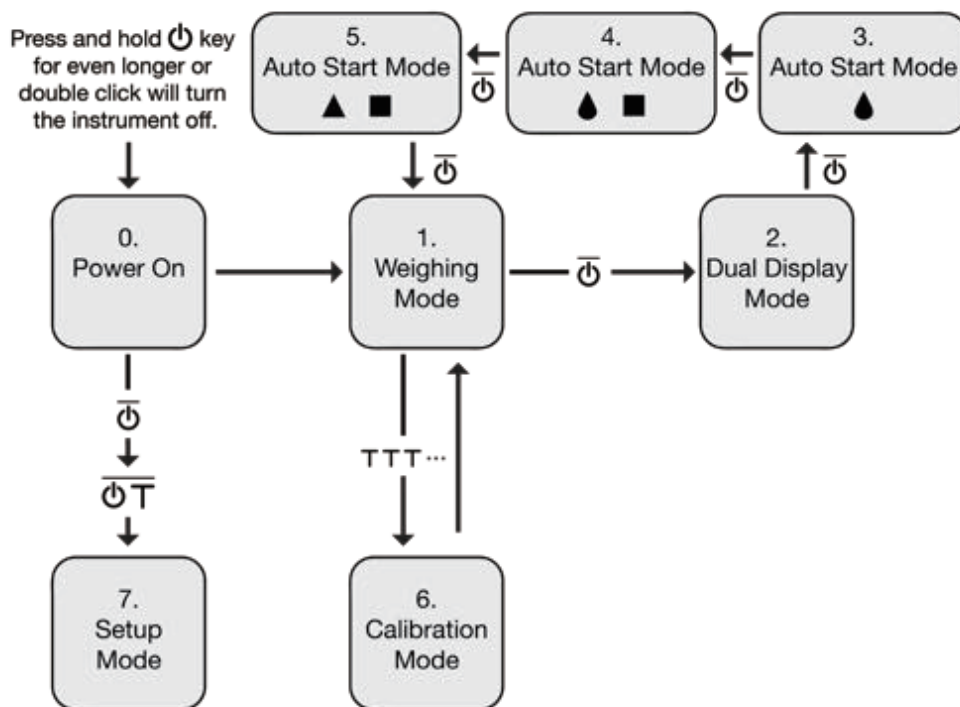
- To use AC adapter instead of the built-in battery, plug the USB cable into the Micro-B USB port located on the back panel of the scale.



- Press  button for 0.5 seconds to turn on the scale.

Chapter 3: Basics

An Overview of Operation Structure



Key operations:


$T T T \dots$ Click T key for several times.

$\overline{\text{power}}$ Press and hold power key for about 1 second.

$\overline{\text{power T}}$ Press and hold both power key and T key.

Basic Operations


Turn On

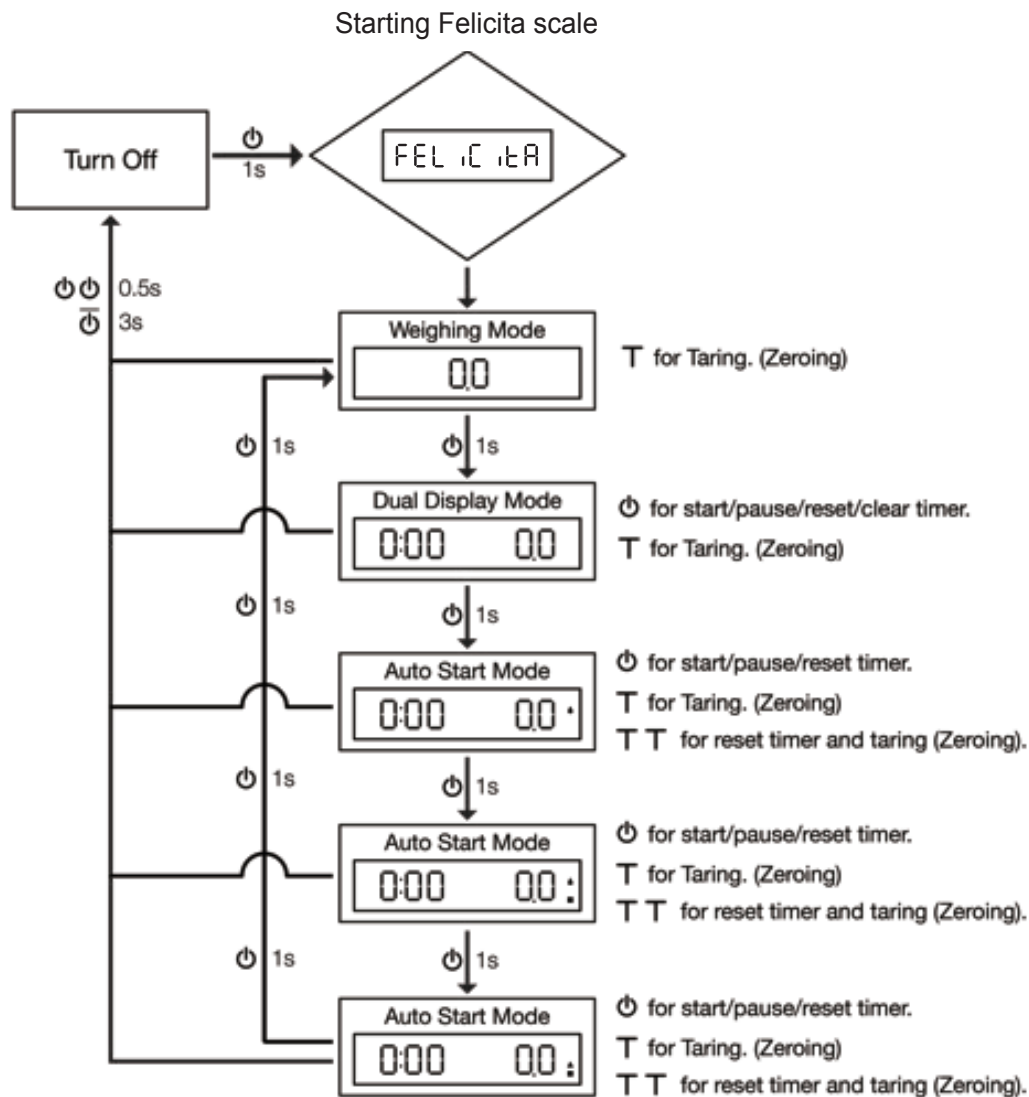
- Press and hold  button for 0.5 seconds to turn on the scale.

Turn Off

- Double click  button to turn off the scale.

Switch Modes

- Press and hold  button for 1 second each time to toggle through different modes.



Key operations:

 Click **T** key.

 Press and hold **T** key for about 2 seconds.


 Click  key.

Weighing Mode

Display

- There are two different weighing units in Weighing Mode: grams and ounces. It can be identified if the upper right LED is light on. If the LED is light on, the weighing unit is ounce.
- The readability is 0.1g or 0.002oz base on the weighing unit selected in Setup Mode.
- Note: To change default weighing unit, please see **Chapter 4 Default Unit Setting** for more information.

Operation




1. Press **T** button for tare (zero) operation.
2. Press and hold  button for 1 second to switch to Dual Display Mode.

Dual Display Mode

Display

- The LED display shows [0: 00 0.0] with timer on the left and the weight value on the right.

Operation

1. Press  button to start/pause/reset the timer.
2. Press **T** button to tare the weight.
3. Press and hold  button for 1 second to switch to Auto Start Mode ()

Note

1. The maximum time that can be displayed is 9 minutes and 59 seconds.
2. When the limit is reached, the timer still goes up until 999 minutes and 59 seconds. It can be observed by iOS/Android App.




Auto Start Modes

Display

1. The LED display shows [0:00 0.0] with timer on the left and the weight value on the right.
2. The timer displays from [0:00] to [9:59] and then the timer will stop.

Status Icon

The icon indicator LED on the right side, if the status icon lights on, the scale is under Auto Start Mode.

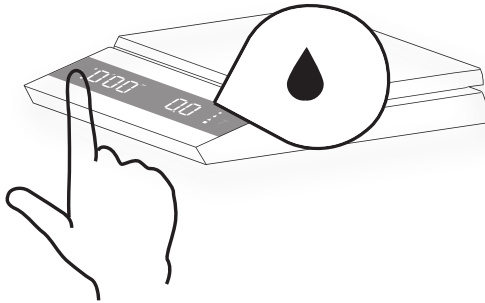
1. Droplet  : When the scale detects the water flow, the timer starts. The timer will stop when the water flow stops.
2. Triangle  : The scale performs auto-tare operation when placing stable weight on the scale , then starts the timer
3. Square  : When placing stable weight on the scale, the scale will perform auto-tare operation.

Mode Description

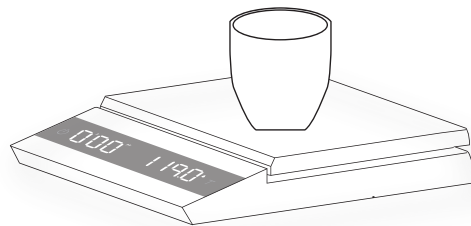
1. Droplet 📍

- The scale detects the espresso flow, then the timer starts.
- When the espresso flow stops with the timer running, the timer stops.

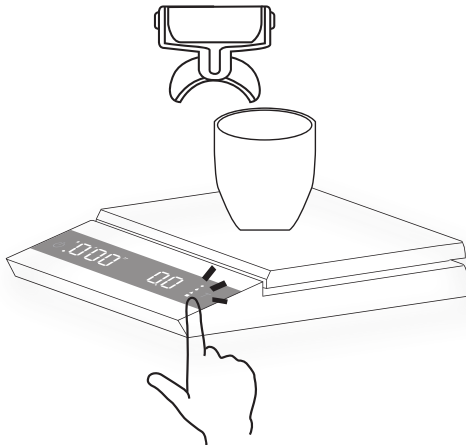
1 In this mode, except the espresso flow, the scale do not perform operation automatically.



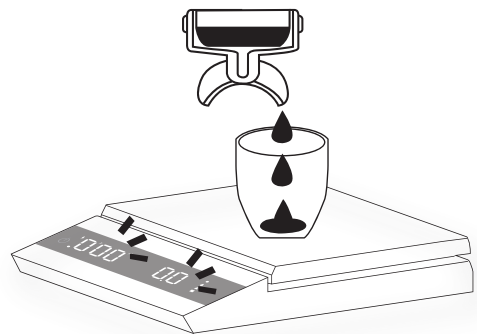
2 The weight will show on the screen.



3 Tare the weight manually.



4 The scale detects the espresso flow, then the timer starts.

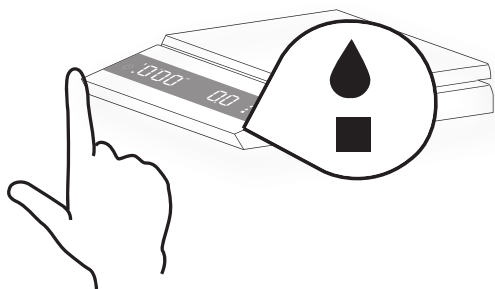


2. Droplet and Square

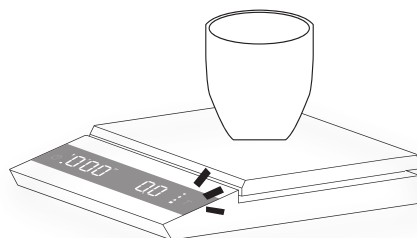
This mode is designed for baristas who would like to measure the time of the shot starting from the first few drops of espresso in a busy environment.

- When placing a stable weight on the scale, the scale will perform auto-tare operation.
- After the scale detects the espresso flow, the timer starts. The timer will stop when the espresso flow stops.

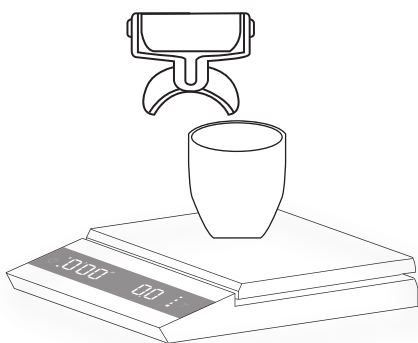
1 This mode is designed for baristas who would like to measure the time of the shot starting from the first few drops of espresso in a busy environment.



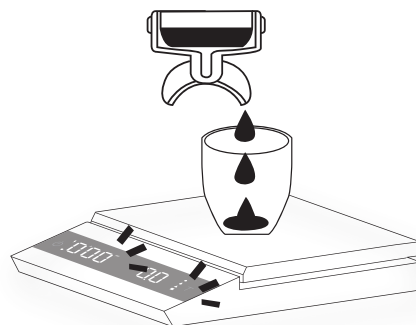
2 When placing a stable weight on the scale, the scale will perform auto-tare operation.



3 The scale will perform auto-tare operation.



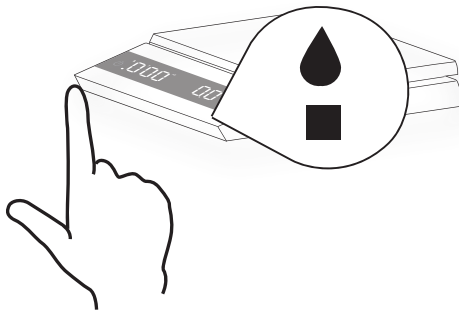
4 After the scale detects the espresso flow, the timer starts.



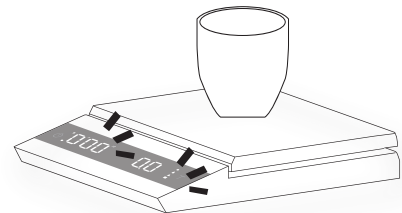
3. Triangle and Square ▲■

In this mode, the barista would like to measure the total time of a shot including the pre-infusion time. After placing a stable weight such as a cup on the scale, it performs auto-tare operation, then the timer starts.

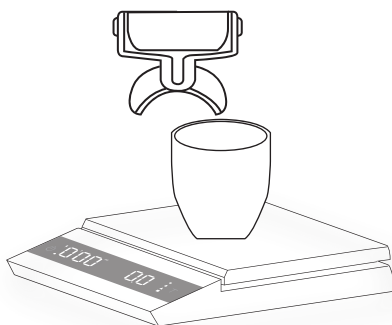
- 1** In this mode, the barista would like to measure the total time of a shot including the pre-infusion time.



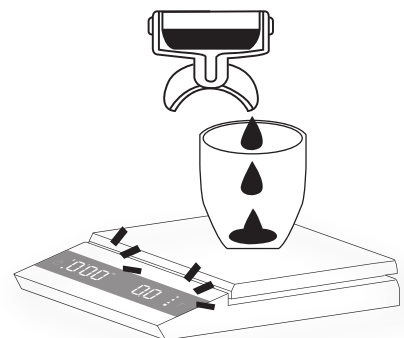
- 2** After placing a stable weight such as a cup on the scale, it performs auto-tare operation, then the timer starts.



- 3** Measure the total time of a shot including the pre-infusion time.

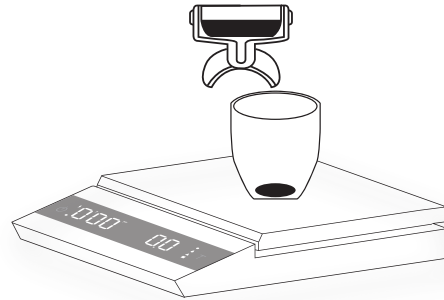
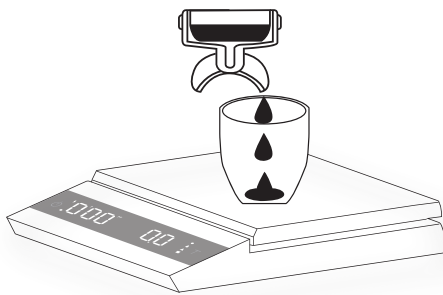


- 4** When the espresso flow stops with the timer running, the timer stops.

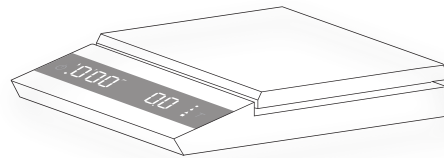
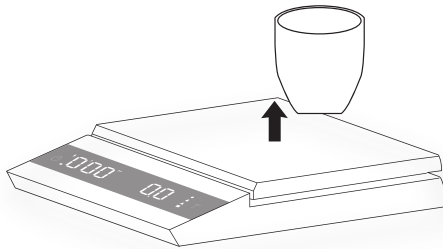


Note:

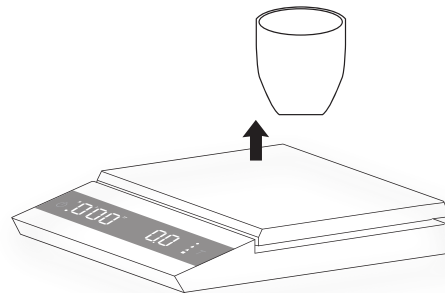
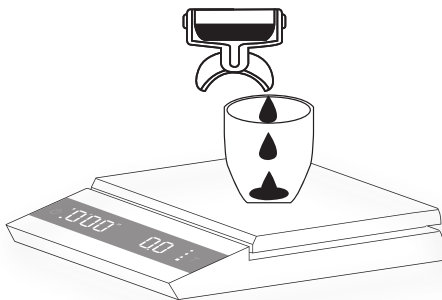
1. In all Auto Start Modes, the timer will stop when the espresso flow stops.



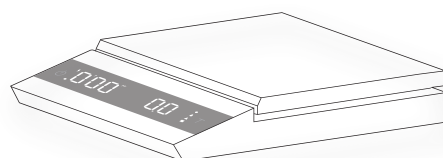
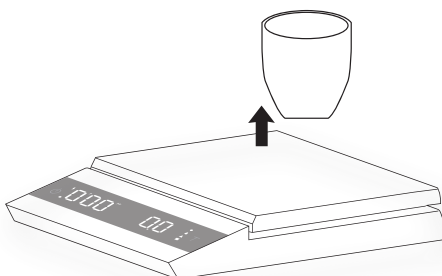
2. In all Auto Start Modes, if you do not operate the scale for 30 seconds, it will reset timer and perform tare operation.








3. In all Auto Start Modes, the timer will stop when a negative weight (i.e. removal of cup) is detected.



4. The scale will also display a previous stable weight that captures the coffee weight of the shot when you unloaded the cup.








Operation

1. Press  button to start/pause/reset the timer.
2. Press  button for tare (zero) operation.
3. Press  button twice to reset timer and tare weight.
4. Press and hold  button for 1 second to switch to Auto Start Modes. If the Triangle and Square icon indicator are light on, press and hold  button for 1 second will switch to Weighing Mode.

Chapter 4: Configuration

Operations for Setup Mode

Steps to enter Setup Mode

1. Press and hold  button while turning ON the scale. When the LED display shows [FELICIA] and then [SET], press and hold  button for another 1 second without releasing  button. Release both  and  buttons when the display shows [SLEEP].

Key Operations in Setup Mode







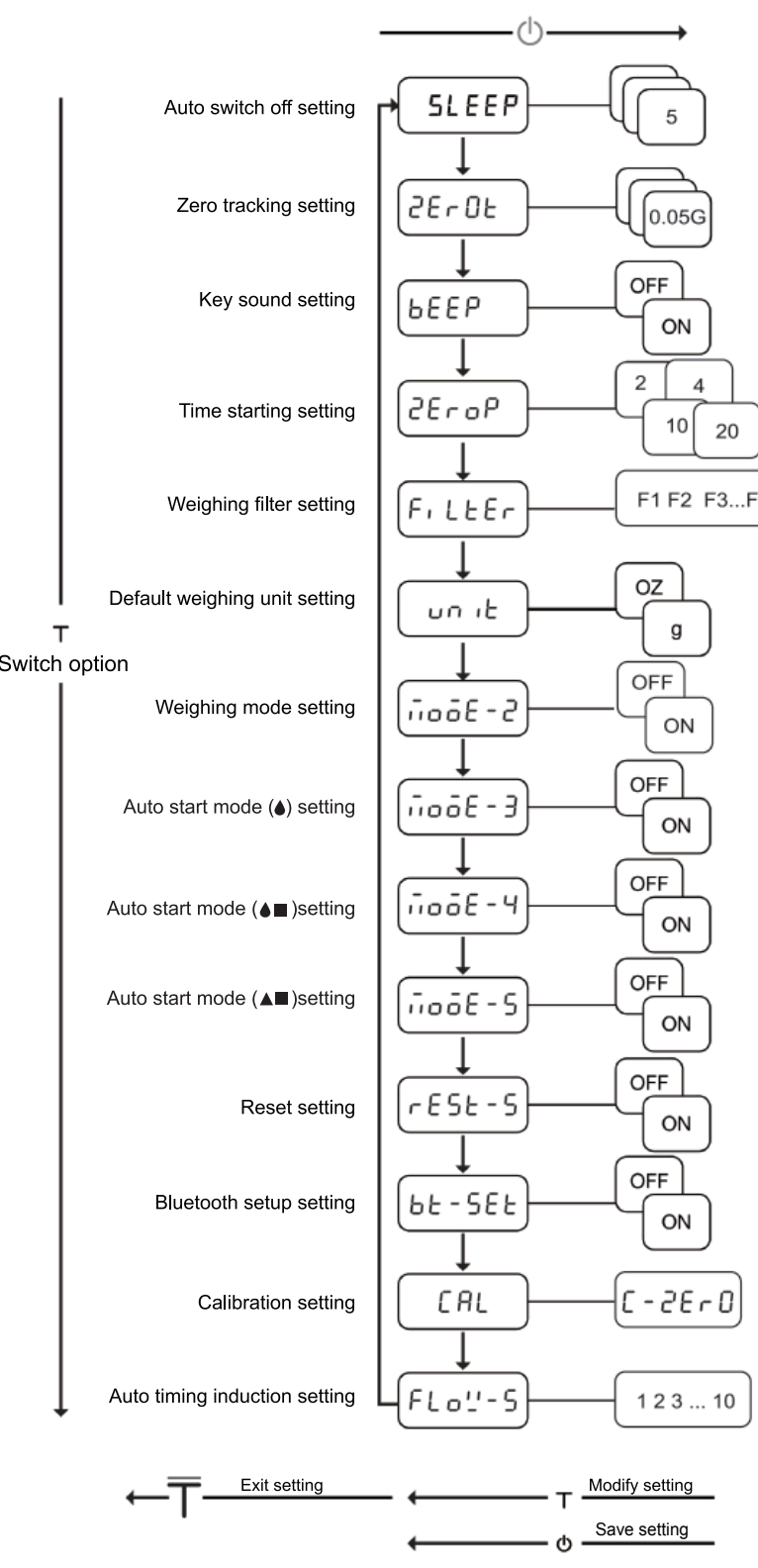
1. Press  button to toggle through setting menu or the options under each setting.
2. Press  button to enter this option, press “ ” button to toggle through this option.
3. Press  button to save changes and return Weighing Mode from setting menu.
4. Press  button to exit, press and hold  button for 5 seconds to save setting, LED shows [SAVE] and exit.

Diagram of Setup Mode Settings



Key operations:

Click

Key.





press and hold

Key for about 2 seconds.



Click

Key.



Auto Switch Off Setting [*SLEEP*]

- 1.The number indicates the amount of time before the scale enters sleeping mode.For example, When 10 is selected,the scale enters sleeping mode after 10 minutes being idle,while the scale is disconnected,from all mobile devices and no operation has been performed on the scale.
- 2.Press  button to enter this option , press  button to toggle through this option.
- 3.Press  button to exit,press and hold  button for 5 seconds to save setting,LED shows [SAVE] and exit.

Zero Tracking Setting [*Zero*]

- 1.Zero tracking is a function for maintaining the zero indication within certain limits automatically.
- 2.Sensitivity can be optional from 0.005g to 0.095g.
- 3.0.05g is recommended in genneral for FELICITA/Parallel.
- 3.Press  button to exit,press and hold  button for 5 seconds to save setting,LED shows [SAVE] and exit.

Key Sound Setting [*beep*]

- 1.Key Sound Settings can also be configured in the felicity Apps.
- 2.Set the key sound function off to turn off the beeping sound or on to turn on the beeping sound.
- 3.Press  button to exit,press and hold  button for 5 seconds to save setting,LED shows [SAVE] and exit.

Zero Range Setting [\overline{Z} \overline{E} \overline{R} \overline{O} \overline{P}]

- 1.Zero range setting determines the range for which \overline{T} button executes zero operation instead of tare operation.
- 2.When zero range is set to 2 , the range for zero-setting will be 2% of the capacity , i.e. , +/- 40g for FELICITA/Parallel. By pressing \overline{T} button , any weight within +/- 40g is zeroed out by zero operation while any weight lays outside the range is tared out by tare operation.
- 3.If Zero Range is set to 100 , the range for zero-setting will be 100% of the capacity , i.e. , +/- 2g . for FELICITA/Parallel. Therefore , instead of tare operation , zero operation would be executed in this setting whenever \overline{T} button is pressed.
- 4.Press \overline{T} button to exit,press and hold \overline{T} button for 5 seconds to save setting,LED shows [SAVE] and exit.
Notice : The difference between zero operation and tare operation is that zero operation would simply ignore the weight and display as 0 while tare operation would deduct the weight from weighing result .However , zero operation does not increase the scale capacity.



Weighing Filter Setting [\overline{F} \overline{I} \overline{L} \overline{T} \overline{E} \overline{R}]

- 1.The number shown on LED display indicates the current filter parameter which determines the speed for load receptor to response to weight and to determine the weighing value.
The larger the number , the more stable but slower the weighing result will be.
- 2.Press \overline{T} button to change the parameter.
- 3.Press \overline{T} button to exit,press and hold \overline{T} button for 5 seconds to save setting,LED shows [SAVE] and exit.



Default Unit Setting [\overline{U} \overline{N} \overline{I} \overline{T}]

- 1.The Default Weighing Unit is set to be gram if [\overline{g}] is selected and ounce if [\overline{oz}] is selected.
- 2.Press \overline{T} button to switch the Default Weighing Unit between gram and ounce.
- 3.Press \overline{T} button to exit,press and hold \overline{T} button for 5 seconds to save setting,LED shows [SAVE] and exit.



Weighing Mode Setting [00E-2]

1. The default Dual Display Mode Setting is set to ON, which means this mode is enabled.
2. ON: The Dual Display Mode is enabled.
3. OFF: The Dual Display Mode is disabled.
4. Press  button to exit, press and hold  button for 5 seconds to save setting, LED shows [SAVE] and exit.



Auto Start Mode Setting [00E-3]

1. The default Auto Start Mode with Droplet Setting is set to ON, which means this mode is enabled.
2. ON: The Auto Start Mode with Droplet is enabled.
3. OFF: The Auto Start Mode with Droplet is disabled.
4. Press  button to exit, press and hold  button for 5 seconds to save setting, LED shows [SAVE] and exit.

Auto Start Mode Setting [00E-4]

1. The default Auto Start Mode with Droplet and Square Setting is set to ON, which means this mode is enabled.
2. ON: The Auto Start Mode with Droplet and Square is enabled.
3. OFF: The Auto Start Mode with Droplet and Square is disabled.
4. Press  button to exit, press and hold  button for 5 seconds to save setting, LED shows [SAVE] and exit.

Auto Start Mode Setting [00E-5]

1. The default Auto Start Mode with Triangle and Square Setting is set to ON, which means this mode is enabled.
2. ON: The Auto Start Mode with Triangle and Square is enabled.
3. OFF: The Auto Start Mode with Triangle and Square is disabled.
4. Press  button to exit, press and hold  button for 5 seconds to save setting, LED shows [SAVE] and exit.

Bluetooth Setup Setting [b t - S E t]

1.Select:

ON:The bluetooth is enabled.

OFF:The bluetooth is disabled.

2.Press **T** button to exit,press and hold T button for 5 seconds to save setting,LED shows [SAVE] and exit.

Calibration Mode [C A L]

1.While the scale is in Weighing Mode and the weighing unit is in gram , press T button quickly multiple times until LED display shows [C - 2 E - 0].

2. When LED display [P u t] Place a 100g weights on scale and wait for the LED display shows [C 1 0 0 0] and [P A S S] when the calibration weight procedure is completed.

Auto Timing Induction Setting [F L o u - 5]

1.Auto Timing Induction Setting can be optional from 1 to 10.The number is bigger,the time is more delay.

2.5 is recommended in general for felicit/Parallel.

3.Press **T** button to exit,press and hold T button for 5 seconds to save setting,LED shows [SAVE] and exit.

Appendix A. Smart-Calibration

If you decide to calibrate your scale, it will only be as good as the accuracy of the calibration weights you use.

*Note : If you use weights other than felicityWeights, we recommend standard weights with class F₁ or F₂.

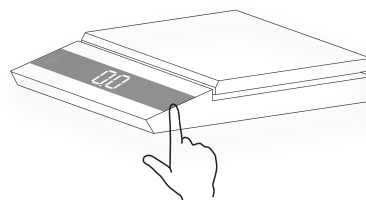
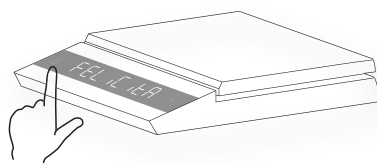
Calibration Mode

1. While the scale is in Weighing Mode and the weighing unit is in gram, press **T** button quickly multiple times until LED display shows [*C-2Er0*].
2. When LED display shows [*Put*], Place a felicity 100 weights on scale and wait for the scale to execute calibration procedure, then LED display shows [*C 100G*].
3. The LED display shows [*PASS*] when the calibration procedure is completed. then Press **T** button to SAVE.

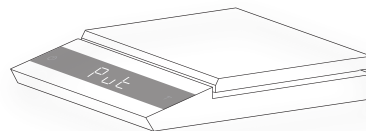
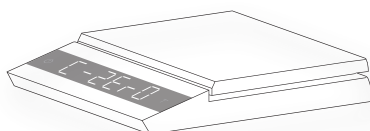
Note:

- 1.If you use weights other than FELICITA/Parallel. weights,we recommend standard weights with 100g'n for example , 500g or 1000g.
2. If you use weights other than felicityWeights, we recommend standard weights with 100g*n. For example, 500g or 1000g.

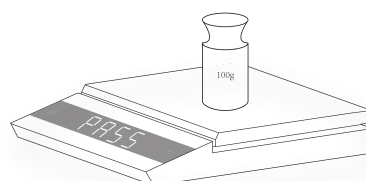
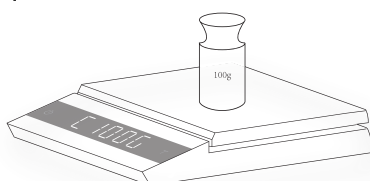
- 1 Turn on the felicity/Parallel scale.
- 2 Make sure the scale is in weighing mode and the unit is set to "gram" then tap the "T" button rapidly and over 6 times.



- 3 Tap the "T" button for several times rapidly until the LED display shows " [*C-2Er0*]".
- 4 When LED display shows[*Put*],Place a felicity100 weights on scale and wait for the scale to execute calibration procedure, then LED display shows [*C 100G*].



- 5 The LED display shows [*PASS*] when the calibration procedure is completed. then Press **T** button to SAVE.



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