Matrix_M2PRO Hand Drip LED Four Display Flow Rate Coffee Scale Instructions 📄
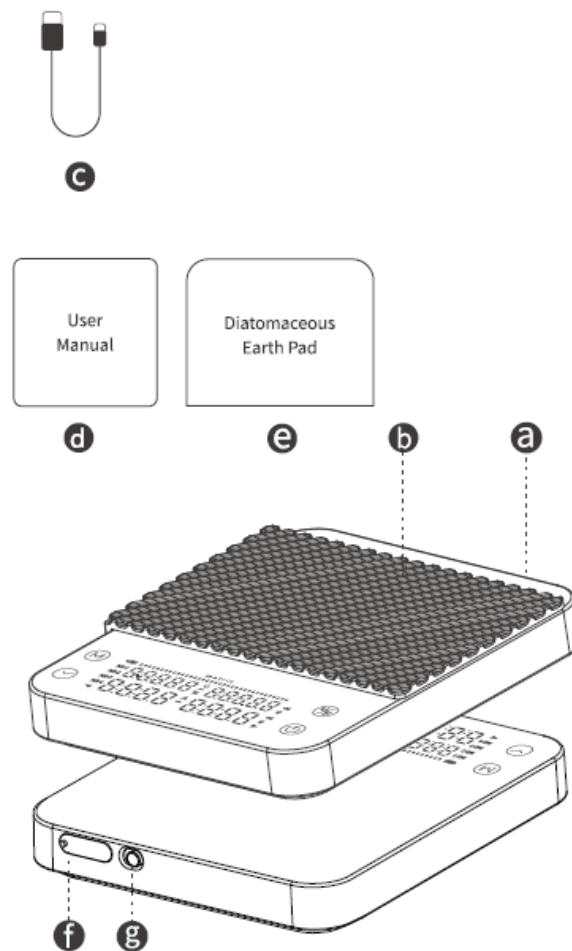
Contents [hide]

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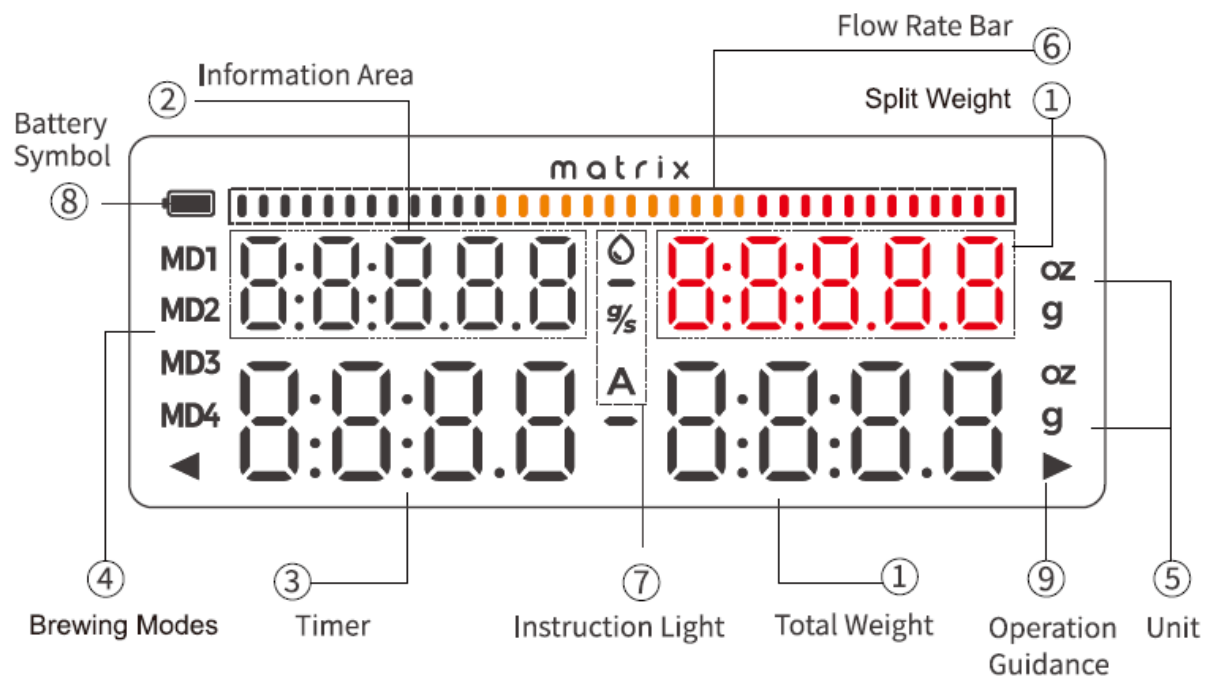## Matrix_M2PRO Hand Drip LED Four Display Flow Rate Coffee Scale

Product Accessories

- a. Electronic Scale x 1
- b. Silicone Pad x 1
- c. Type-CChargingCable Xl
- d. User Manual x 1
- e. Diatomaceous Earth Pad x 1
- f. Charging Port Dust Cover
- g. Physical Power Button

Layout Description

Flow Rate Bar ⑥

Split Weight ①

Information Area ②

Battery Symbol ⑧

matrix

MD1 MD2 MD3 MD4

◀ ▶

oz g oz g

④ Brewing Modes ③ Timer ⑦ Instruction Light ① Total Weight ⑨ Operation Guidance ⑤ Unit

1、Weighing Area

Maximum capacity: 3000g

2、Information Area

Guidance prompts
Coffee-to-water ratio
Coffee brew ratio
Flow rate values

3、Timing Area

Maximum time: 99:59

4、Mode Area

MD1/MD2/MD3/MD4
(No display indicates MD0)

5、Unit Area

oz / g

6、Flow Rate Bar

Three segmented colors, clearly indicating
small, medium, and large water flow rate

7、Instruction Light

⬦ Blinking: Ready for pouring water

g/s Flow rate unit

A Automatic timer upon water pouring

8、Battery Symbol 🔋

Low battery: Blinking alert
During use: No indication if battery level is above 30%
During charging: Battery symbol blinks
Fully charged: Battery symbol remains steady

9、Operation Guidance ◀▶

During the brewing process, when flashing occurs,
it indicates that you should press the
corresponding button.

If the battery symbol blinks during use, it indicates low voltage. Please charge the device promptly

Automatic power-off after 5 minutes of inactivity (factory setting)

Button Function Introduction

(M) Mode Button

Long Press (M) Reset the current mode

Press Repeatedly (M) Switching modes

(U/F) Unit Switch & Function Button

Double Short Press (U/F) Switching units

(∨) Timer Button

Short Press (∨) Start/Pause timing

Long Press (∨) Reset the timer to zero

Note: Only availalbe in MD0 Mode

(T) Power & Tare Button

Short Press (T) Tare the weight

Long Press (T) Power on/off

(M) + (U/F) Settings (During Power On)Simultaneous Press for 3 Seconds: Enter settings mode ; Short Press (T) Confirm settings

Short Press (M) Switch setting modes

Short Press (U/F) Toggle on/off

Sound On	**Sound Toggle** Enable or disable sound notifications	Sound OFF
SPEEd On	**Flow Rate Bar Toggle** Turn the flow rate bar on or off	SPEEd OFF
SLEEP 5:00	**Sleep Time Setting** Six options	SLEEP OFF

**Sleep Time Setting – Six options : 3 / 5 / 10 / 30 / 60 minutes , All Off (No Sleep Mode)

Mode Introduction

- M DO-Basic Function & Pour-Over Row Rate Practice Function
- After powering on, if the Mode Display Area does not show any indicators, it is in the MOO.

- Short Press ⊘ start and stop the timer , and Long Press to reset the timer.
- Short Press ⊙ to tare the weight.

- When the flow rate bar function is enabled you can simply pour water to observe the flow rate value and the three-color-segmented bar, allowing you to practice controlling water flow stability.
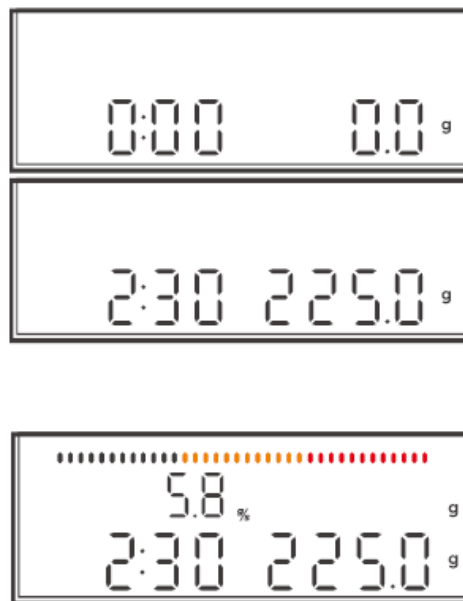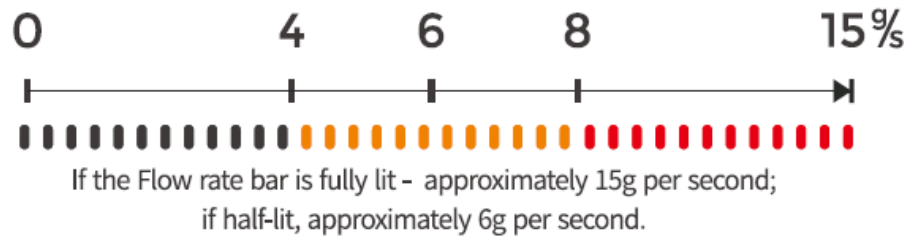

Flow Rate Bar Display and Flow Rate Value

While the setting of Flow Rate Bar(SPEED) is activated, during the brewing process, once the device detects the water pouring, the flow rate bar will automatically light up according to the pouring speed .The lighting length on the flow rate bar differs between MD0/1/2/4 and MD3(Espresso Mode) as follows:
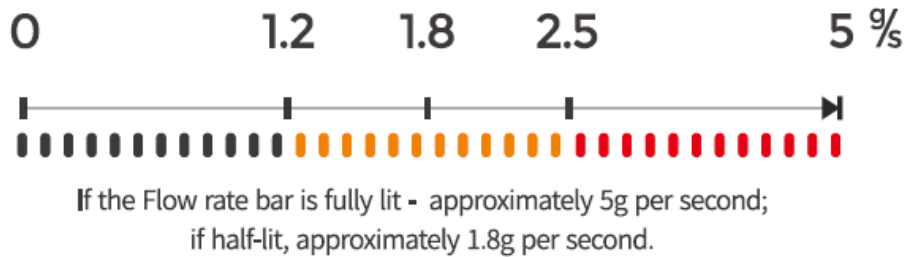
Pour-Over Mode

MDO MD1 MD2 MD4

0   4   6   8   15%

If the Flow rate bar is fully lit - approximately 15g per second;
if half-lit, approximately 6g per second.

Espresso Mode

MD3

0   1.2   1.8   2.5   5%

If the Flow rate bar is fully lit - approximately 5g per second;
if half-lit, approximately 1.8g per second.

MDI-Coffee Brew Ratio Mode

Truly intelligent mode on M2 Pro allows you to know the volume of water poured and how much coffee you brewed by a single scale through following steps:

Display	Instruction
MD1 **CUP** 0.0 g 0:00 0.0 g	Initial Setup - "CUP" Flashing in the Information Area: Place the pitcher on the scale and the weight resets to zero automatically.
MD1 **FiltEr** 89.8 g 0:00 89.8 g	Once "Filter" appears, place the rest of equipment (such as dripper and filter paper) on the scale to complete all preparation steps ; then the "▶" flashs and please press "⊙" into next step.
MD1 **bEAn** 15.0 g 0:00 0.0 g	Whle "bEAn" flashing in the Information Area, add the coffee grounds to the dripper Then the "◀" flashes and please press "⊘" into next step.
MD1 1: 0.0 ○ 15.0 g --:-- A 0.0 g	Once the "○" flashes, and "A" lighted, it is ready for pouring water; Within pouring water, the timer starts. Control your pouring consistency by monitoring the Flow Rate Bar.

MD1 1: 15.0 15.0 g 2:30 225.0 g	→ →	MD1 1: 13.0 195.8 g 2:30 225.0 g

After finishing of water pouring, you can lift up the" Dripper" only in order to

see the volume of coffee liquid extracted which is shown at the upper right area as well as the Coffee Brew Ratio at the upper left area.

** Remove the carafe to lock in all data, completing the brewing process.

MD2-Pulse Pouring Mode with display of Coffee-to-Water Ratio

(Applicable for various Pulse Pouring methods)

This mode allows you to manually zero the scale and use the timer to easily perform Pulse Pouring methods, such as single-stage, three-stage, or 4:6 method.

During each pour, the increased water weight will be displayed at the upper right area, and automatically tare to zero after 2 second stabilization. The bottom right area shows the weight accumulation for all increased weight; this function will help you control the water volume and time for each pouring. By recording the weight of coffee ground, it also instantly shows the coffee-to-water ratio.

- Short press ⌄ to record the current coffee ground weight and enter automatic timer mode. After the timer starts,
- short press ⌄ again to pause or resume timing.
- Short Press ⏻ to tare the weight.

|	
MD2 0.0 g 0:00 0.0 g	Place the equipment on the scale, (including pitcher & filter & filter paper) and press " ⏻ " to tare the weight.
MD2 15.0 g 0:00 15.0 g MD2 1: 0.0° 0.0 g --:--^A 0.0 g	Add coffee ground, and Short Press "⌄" to record the weight of coffee ground. The upper left area will show the coffee-to-water ratio 1: 0.0, the "⬥" flashes, and "**A**" lighted; ready for pouring water now!
MD2 1: 15.0 45.0 g 2:30 225.0 g	Within pouring water, the timer starts. The upper right area will show the increased water weight for each pour. After each pour, the weight will reset to zero automatically, and the Bottom right area shows the weight accumulation for all increased weight. The ratio area will instantly calculate and display the coffee-to-water ratio based on the recorded weight of coffee ground and total water volume.
MD2 1: 15.0 15.0 g 2:30 225.0 g	After finishing the brewing process, remove all equipment to lock in the recorded data. The upper right area will display the coffee ground weight of this brewing session.

MD3 – Espresso Mode

*This mode is specifically designed for use with espresso machines. It helps to prevent errors during espresso extraction by ensuring stable measurements and automatic timing. After the timer starts, during the first 15 seconds, the timer will not automatically stop to avoid erroneous locking when adjusting the cup position as coffee begins to drip. To trigger automatic stop and weight lock, the detected weight must exceed 15g, preventing incorrect operations.

- Place the coffee scale onto the coffee machine, and oput the ESPRESSO ""cup on, it gets auto – zero once it senses the weight is stable. The "⬥" symbol will start flashing, indicating that the device is ready for coffee extraction.

- The timer automatically starts when the scale senses a change in weight, and stops with no changes in weight.

- During this phase, both the flow rate bar and flow rate values will activate. Within the first 15 seconds, you can adjust the coffee cup to align with th coffee drip without affecting the measurement. Once coffee extraction stops, the timer will stop and all data remain locked.
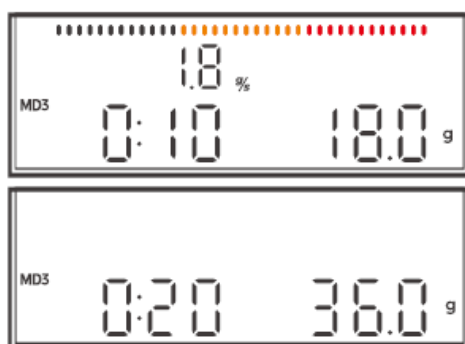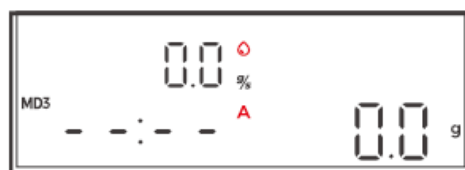
- After removing the cup or container, the scale will automatically start a countdown for reset after 10 seconds, allowing for continuous use.

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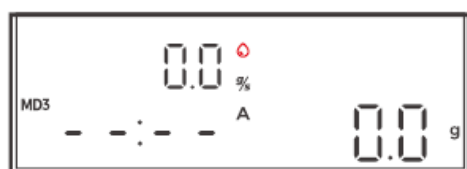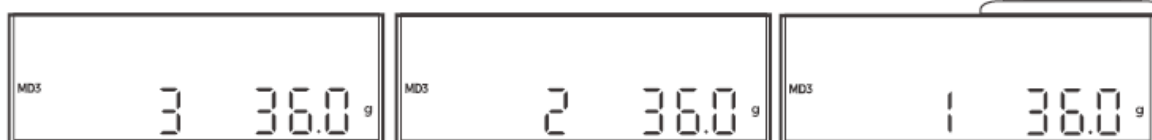
Alternatively, you can place the next set of equipment directly onto the scale. The scale will automatically zero and prepare for the next brewing cycle.

MD4-Coffee-to-Water Ratio Mode (Chemex)

This mode is specifically designed for integrated brewing devices that cannot be separated, such as Chemex, pour-over stands, Aero Press, French press, and cold brew pots. By following the step-by-step instructions, the scale automatically calculates the coffee -to – water ratio, eliminating the need for

manual calculations. During the brewing process, the scale will automatically start timing and weighing as soon as water is poured. Once the brewing is finished, remove all equipment and all data will remain locked and displayed.

| ALL | 0.0 g |
| MD4 0:00 | 0.0 g |

While " ALL" flashes, please place all prepared equipment on the scale at once: caraf, dripper, filter paper (pre-wetted), and the weight resets to zero automatically.

| bEAn | 15.0 g |
| MD4 0:00 | 0.0 g |

While "bEAn" flashes, please add coffee grounds; then the " ◀ " flashes, and please press " ✓ " into next step.

| I: 0.0° | 15.0 g |
| MD4 — —:— — ^A | 0.0 g |

| I: 10.5 | 15.0 g |
| MD4 1:30 | 157.5 g |

When the "○" flashes, and " A " lighted, it is ready for pouring water now. Within pouring water, the timer starts, and the water volume is shown at the bottom right as well as the coffee-to-water ratio increases accordingly.

| I: 15.0 | 15.0 g |
| MD4 2:30 | 225.0 g |

While pouring of water is done, remove all equipment, then the timing stops, and the final data(volume of water you poured & weight of coffee grounds& coffee to water ratio) will be displayed.

Product Specifications

- Name: Matrix M2 PRO AI MASTER SMART COFFEE SCALE I Model: M2 Pro (MXSM2PBK00) Origin: China I Voltage: 5V – I-2A I Type-C Charging (1500mAh Lithium Battery; Do not use Quick Charger!)
- Operating Modes: Basic I Coffee Brew Ratio I Pulse Pouring I Espresso I Coffee-to-Water Ratio Mode Unit Conversion: g/oz I Net Weight: 310g I Product
- Dimensions: 130 x 150 x 23.5 mm Box Dimensions: 180 xl60 x55 mm I Weight with Packaging: 510g
- Weighing Range: Max 3kg, Min 0.4g I Accuracy: 0.lg
- Deviation:0 – l000g: ±0.5g-1000 -2000g: ±lg-2000 -3000g: ±l.5g
- Material: ABS, Silicone I Package Contents: Electronic Scale, Silicone Pad, Diatomaceous Earth Pad, Charging Cable (Type-C), User Manual

- Warranty: 12 months (non-human damage) I Manufacture Date: Refer to label on Scale Application: Cooking, Baking, Beverages, Formulas, Coffee
- Note: This product is not intended for commercial transactions.

Customer Support for Usage Issues:

Charging Instructions:

- If the scale is not used for an extended period, charge it regularly to maintain battery life.
- Usage Precautions: The electronic scale is not waterproof. Do not wash and keep the charging port dry. Maximum Weight: The scale supports a maximum load of 3000g. Do not exceed this limit to avoid damage.
- Stability: Ensure that all four feet are in full contact with the surface for accurate measurements. Handling: The electronic scale contains precision parts. Avoid impact and collisions.
- Caution: This product includes a 12-month limited hardware warranty for non-human damage.
  In the event of natural manufacturing defects (non-human factors), the company provides free maintenance services.

Charging Precaution:
Do not use Quick Charger to avoid affecting battery performance.
Battery life may vary based on usage patterns and time. Avoid using the device while charging.

Accessory Maintenance:

The silicone pad and diatomaceous earth pad are considered consumables and are not covered under warranty. For cleaning. use a soft cloth to wipe off dirt. This comprehensive product specification and guideline are intended to ensure the proper use and maintenance of your Matrix M2 Pro AI coffee scale.

For damages caused by human factors, the free warranty does not apply. Regardless of the warranty period, if repairs are needed, please provide the

following items:

- Product with complete packaging
- Product warranty card or proof of purchase
- All included accessories and promotional items

CE FC RoHS

- https://matrixscale.co/
- matrixscale
- Matrix-tw
- Support@matrixscale.co

Simplify Brew I Amplify Taste

Documents / Resources

	matrix Matrix_M2PRO Hand Drip LED Four Display Flow Rate Coffee Scale [pdf] Instructions Matrix_M2PRO Hand Drip LED Four Display Flow Rate Coffee Scale, Matrix_M2PRO, Hand Drip LED Four Display Flow Rate Coffee Scale, LED Four Display Flow Rate Coffee Scale, Display Flow Rate Coffee Scale, Flow Rate Coffee Scale, Rate Coffee Scale, Coffee Scale, Scale

References

- User Manual

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