

Operation Instructions

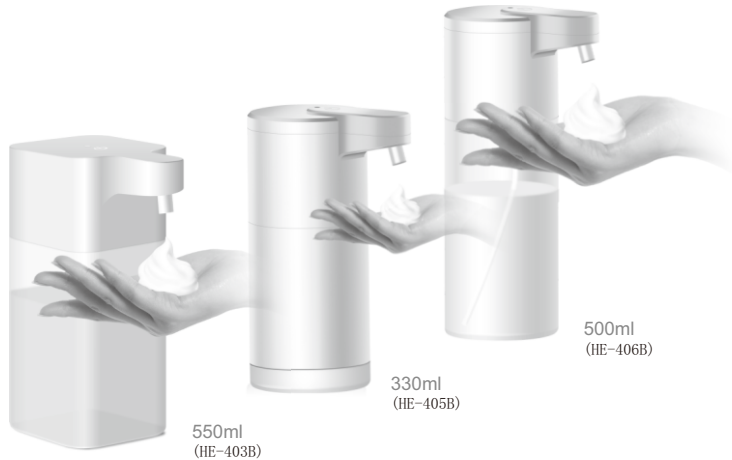
Touchless Smart Foaming Soap Dispenser

HE-403B (550ml, battery operated)

HE-405B (330ml, rechargeable)

HE-406B (500ml, rechargeable)

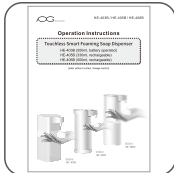
(safer without contact, dosage control)



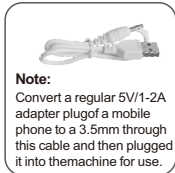
4. Accessories Included



Stirring rod × 1



Operation Instructions × 1



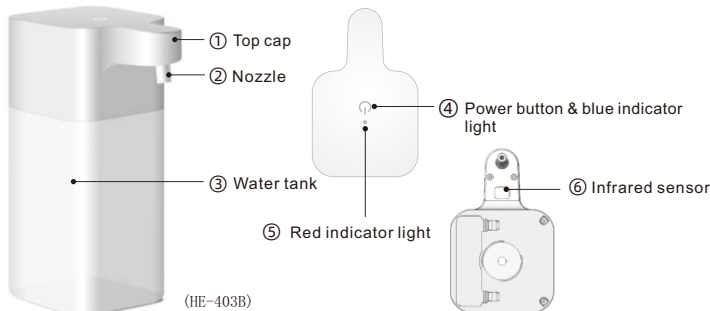
Note:
Convert a regular 5V/1-2A adapter plug of a mobile phone to a 3.5mm through this cable and then plugged it into the machine for use.

USB to 3.5mm DC conversion cable × 1 (standard accessory of HE-405B & HE-406B)

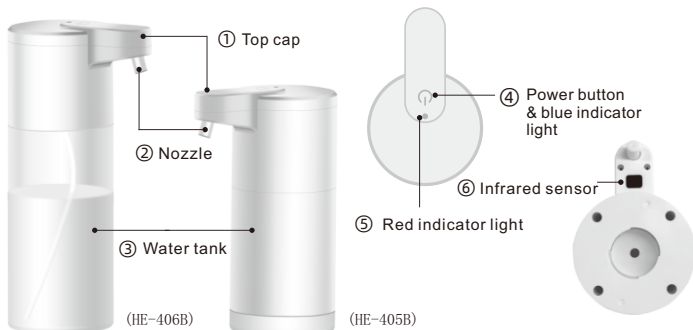


Wall-mount × 1 (optional accessory of HE-403B)

5. Appearance and function description



(HE-403B)



(HE-406B)

(HE-405B)

1. Applicable Site

It is suitable for places with less flow of people, such as general families, small offices, small shops, small catering places, small hotels, clinics, small beauty bathing places, etc.

2. Product Features

- Suitable for foam soap and diluted liquid soap such as hand cleanser, shower lotion, shampoo, facial cleanser, dishwashing liquid... etc..
- Responsive, stable, & precisely controlled.
- Saving consumption: After the soap is diluted and foamed, the consumption of soap is greatly reduced.
- Multi-stage spray volume adjustment, dosage controllable.
- Save time, save water: foam soap, easy to wash, low water consumption.
- Battery operated (HE-403B); Rechargeable (HE-405B / HE-406B), can be used after charging or directly plugged in.
- Intelligent power saving and sleep design to prolong battery life.
- Low voltage reminder design, reminding to charge or replace the battery in time.
- Over-discharge protection circuit design to prevent battery damage due to not being charged for a long time.
- No installation required: flexible placement. HE-403B can also be wall mounted (the wall-mount is an optional accessory).

3. Technical Parameters

	HE-403B	HE-405B / HE-406B
Supply supply	AA battery × 4 (Alkaline or rechargeable)	3.7V/1800mAh rechargeable lithium battery (charging or direct plugging in to use)
Spraying time	0.3s, 0.6s, 0.9s, 1.2s, 1.5s	
Maximum sensing distance	7cm (±2)	
Operating ambient temperature	0.5°~45°C	
Operating ambient humidity	≤80%	
Maximum capacity	550ml(HE-403B)	330ml(HE-405B) 500ml(HE-406B)

6. First use

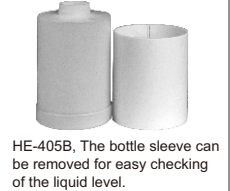
Step 1.

① Hold the water tank with one hand. Hold the top cover with another and rotate it gently to separate it from the water tank.

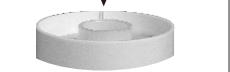
② Pour liquid in (see item 8 "How to mix the foam soap liquid")



(Using HE-405B as an illustration, HE-403B & HE-406B use the same method)

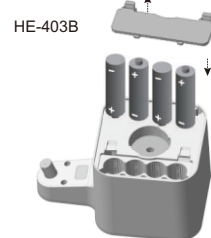


HE-405B, The bottle sleeve can be removed for easy checking of the liquid level.



When replacing the sleeve, please pay attention to the position of the locating groove.

Step 2.



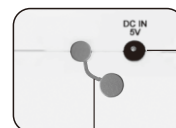
HE-405B / HE-406B

① Remove the battery cover.

② Insert four new AA alkaline batteries or rechargeable batteries (please insert the batteries in the direction of the electrodes as shown in the figure). Batteries are not included in this package.

③ Replace the battery cover.

Renew the batteries: When the red power indicator flashes quickly, it means that the power is low, please renew the batteries immediately.



Power cord Socket

Connect a 5V/1-2A mobile phone adapter to the attached USB to 3.5mm conversion cable and insert it here.

DC power socket plug

When not using the DC power supply, please plug the rubber plug for protection against dust and water.

7. "Power button, Light Indicator, & Sleep Mode" introduction

1) Power button on/off

Short touch the button to turn on (the blue indicator light flashes slowly); long touch the button for 2 seconds, the red indicator light flashes 5 times to shut down.

2) 5-level liquid output adjustment

Touch the power button to change the length of the liquid discharge time.

Short touch the power button to change the discharge time cyclically: 0.3 seconds/0.6 second/0.9 seconds/1.2 seconds/1.5 seconds, and corresponding with flashing red light 1 time/2 times/3 times/4 times/5 times

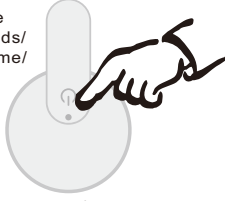
(Note: When using for the first time, the air at the front end of the liquid pipe will be discharged first, so the first spray may be slightly delayed.)

3) Low battery warning

The red indicator light flashes 6 times every 4 seconds to remind about low battery. The batteries should be replaced as soon as possible or it should be charged immediately.

4) Charging status indicators (HE-405B / HE-406B)

The red and blue LEDs flash alternately during charging, and the blue indicator LED is always on after fully charged.



(Using HE-405B as an illustration)

Sleep Mode:

■ In order to save battery power, the device will automatically enter into the sleep mode and remember the last settings after being idle for 24 hours without sensing a use. If you need to restart the device, just touch the power button to wake it up. (Note: The function can save power consumption when the machine is not used for a long time, such as when you are away from home for many days or when the office is not working on weekends and long holidays.)

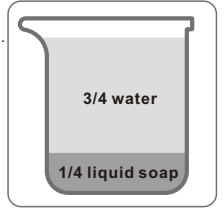
8. How to mix the foam soap liquid

■ Preparation of soap:

1. Can buy foam soap directly.
2. Can use effervescent tablets.
3. It can be made by diluting regular liquid soap with water, and mix thoroughly with the attached stir stick. (Please do not shake to avoid foaming)
The mixing ratio of liquid soap and water is 1: 3 (This ratio is for reference only, please adjust according to actual situation.)
If the diluted soap solution is too thick after mixing and the foam output is not smooth, add more water to dilute.

Steps:

- 3.1 Fill 1/4 water tank with liquid soap
- 3.2 Fill the remaining 3/4 water tank with clean water
- 3.3 Use the included stirring rod to stir the liquid evenly



9. How to use Pendant (optional accessory of HE-403B)

Step 1.

Wipe the wall clean with a rag. If the wall is with dust, it will affect the ability of the wall-mount to bear weight.



Step 2.

Remove the protective sheet behind the wall-mount and then stick the wall-mount hardly onto the wall.

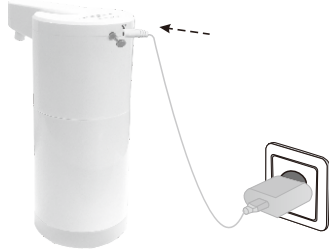


Step 3. Put the machine on the wall-mount.



10. How to use the USB to 3.5mm conversion cable (HE-405B / HE-406B)

- Convert a 5V/1-2A mobile phone adapter into a 3.5mm plug via the conversion cable and then plugged it into here.



(Using HE-405B as an illustration)



11. Clean & Maintenance

Clean the unit	Please clean the unit with a wet cloth or neutral detergent, and then dry it with a dry cloth. Never use a volatile liquid, such as: diluent, benzene, gasoline, etc. (The unit body cannot be soaked in the water)
Before storage	If the machine will not be used for a long time, it is recommended to clean the liquid outlet pipe before storage to prevent the liquid outlet pipe from being blocked by the solidified liquid. (cleaning method: Fill the water tank with clean water, repeatedly activate the "spraying" action to clean the water pipe, and then empty the water tank.)

12. Safety Precautions

1. Avoid using in high temperature, damp, dusty, and direct sunlight environment.
2. Please do not install or use the unit near an open flame.
3. Please keep the infrared sensor head clean,
4. When adding foam soap solution, slowly add liquid and prevent liquid overflow.
5. Please refill liquid in time to prevent the unit from working in a liquid free state for a long time.
6. If the machine is idle for a long time, take out the battery (HE-403B), pour out the liquid and clean it.

13. Troubleshooting

Faults	Causes	Solutions
The blue indicator light is not lit on	The power button is not turned on.	Turn on the power switch.
	The battery is not installed or the power is not enough.	Install or replace the batteries, or plug in the power cord to charge.
Fail to spray liquid	The position of hand is too far away from the infrared sensing window.	Reach your hand within 5cm of the infrared sensing area.
	There is a reflective object in the region below the infrared sensing window.	Remove the reflective object.
	The direct sunlight or strong light shining directly to the infrared sensing window cause the failure to spray liquid.	Avoid direct exposure to sunlight or strong light.
	There is dirt on the surface of the infrared sensing window.	Clean the sensing window (organic solvent is not allowed).
The filter is clogged.	 	Clean the filter: Remove the filter at the end of the liquid pipe and rinse it, then reinstall it.
The soap is not flowing smoothly	Liquid soap is too thick	Dilute the liquid with water
Battery power runs out in a very short time	Used none alkaline batteries or the battery is not charged well	Switch to alkaline batteries or recharge the battery fully

Note: Please do not disassemble the unit without authorization, and please contact specialists or suppliers in time in case of failure.