

H2CAP/ H2CAP *Plus*  
**User Manual**  
- English -



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\* Videos can be found at [www.h2cap.com](http://www.h2cap.com)

\* For more information about the H2CAP, check out our Q&A at our website.

## 1. What is H2CAP?



- ◆ The H2CAP is a hydrogen water generator that comes in a compact size for the best portability. All you need with the H2CAP is a USB cable and a 500ml bottle.
- ◆ By making use of the Platinum titanium electrode and Platinum PEM membrane, the H2CAP is free of residual chlorine and ozone. Plus, these allow the H2CAP to produce hydrogen water with 1,000ppb ~ 1,500ppb that can last longer.
- ◆ For user convenience, additional accessories such as the Descaler and Test reagent are available for sale.

The H2CAP was certified by *Japan Hydrogen Water Promotion Association* to produce hydrogen water with more than 1,000ppb <Test report number – 218H-221>

## 2. Product Composition



Pouch



H2CAP



USB cable



Descaler



Manual

※ Product components may vary depending on the package type.

### Accessories

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Descaler Set (20pcs.)



Tritan Bottle

### 3. Parts of the H2CAP



① Upper Cap

② Case

③ USB Port

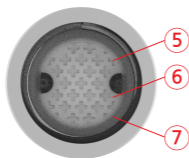
④ Bottom Cap

⑤ Membrane

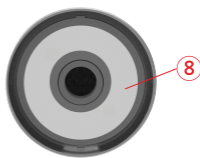
⑥ Electrode Plate

⑦ Sealing O-ring

⑧ Warranty Seal Sticker



<Top>



<Bottom>

## 4. Usage Precautions

Read the following precautions before using the product.

- Use drinkable water only. Other beverages such as coffee, beer, and etc. may damage the product.
  - To prevent the electrode plate drying out, store the H2CAP with the upper cap closed.
  - Do not use the H2CAP when the USB port or the cable is wet.
  - Do not disassemble or modify the product. Free warranties are not available once the seal sticker is damaged.
  - Do not attach the H2CAP too tightly to the bottle.
  - Be careful not to damage the electrode plate and the membrane.
- ※ **Once they are damaged, leakage may occur and free warranties will not be available.**
- Use bottles that are compatible with the H2CAP (28mm, 30mm).
  - Using without any water may damage the product.
  - Clean promptly when notified with the cleaning alarm to maintain the best performance.
  - Do not consume the Descaler or the Reagent.
  - Use water temperature lower than 50°C.
  - Do not disassemble the bottom cap when not necessary.

## 5. How to Operate the H2CAP

### 5-1. Before First Use

- For supplying power, H2CAP is compatible with variety of devices.
- ※ To supply power to H2CAP with smartphones, OTG gender is required. (Supplying power via iPhone is unsupported.)



- H2CAP comes with small amount of water on the electrode plate to keep the product moisturized.
- Run the cleaning mode before using the product for the first time. (Check 5-2. to learn the detailed cleaning mode)
- A Noise of hydrogen gas evaporation may occur upon opening the cap after producing the hydrogen water.

## 5-2. How to Run the Cleaning Mode

**Cleaning alarm:** The H2CAP automatically alarms you when to do the cleaning mode.

- ① Insert one sachet of Descaler with 100ml of clean water and shake the bottle until the Descaler is dissolved into the water. Then, turn the bottle upside down.
  - ② Connect the USB cable and unplug it when the white LED goes off after 3 seconds. Then, reconnect. The cleaning mode will start automatically and turn off after 2 mins.
  - ③ Once the cleaning mode is completed, dispose the water and rinse 2 to 3 times with clean water.
- ※ Use only the Descaler provided. (One sachet at one time)
  - ※ Using other cleaning tools may damage the product.
  - ※ Do not submerge the product in the water for cleaning purposes.
  - ※ You may refer to our videos at [www.h2cap.com](http://www.h2cap.com) for guideline.



### 5-3. How to Produce Hydrogen Water

- ① With water fully filled, attach the H2CAP to the bottle. Then, turn upside down as shown in the image.
  - ② When the USB cable is connected, the H2CAP will start automatically to produce hydrogen water.
  - ③ The production of hydrogen water may take 3 mins 30 secs up to 5 mins depending on the condition of the water. (Refer to the specification for details)
  - ④ Once completed, the orange LED will turn on.
- ※ If left not opened for a long time after the hydrogen water production, hydrogen gas pressure may cause small drops of water to come out from the bottom cap.
  - ※ Running this mode 2 times will produce hydrogen water reaching up to 1,500ppb.
  - ※ Using alkaline water or mineral water will produce hydrogen water reaching up to 1,500ppb.
  - ※ You may refer to our videos at [www.h2cap.com](http://www.h2cap.com) for guideline.



## 5-4. LED light Indication

### ※ LED indication during or after running

LED	Indication
White LED On	Producing hydrogen Water
White LED Blinking	Ongoing Cleaning mode
Orange LED On	Hydrogen water produced or cleaning completed
Orange LED Blinking	Hydrogen water produced & cleaning is required

### ※ LED Indication in System Error

Orange LED flashes quickly once at a time.

- Water or Product temperature is high

Orange LED flashes 2 times periodically.

- Electrodes are seriously dried or scaled

Orange LED flashes 3 times periodically.

- The usb connector is wet, dry enough before use.

## 6. Storage and Maintenance

- When storing for a long time, make sure to put a small amount of clean water and close the upper cap.
- When the electrode plate dries out or big bubbles start to show, brush softly with a wet cotton swab to moisturize the electrode plate. Then, do the cleaning mode before using the product.
- Keep the product away from high temperature.
- When assembling the bottom cap, carefully press the center of the bottom cap and turn it until it's properly attached to the product. The product may not stand well when the bottom cap is not properly attached.

※ You may refer to our videos at [www.h2cap.com](http://www.h2cap.com) for guideline.

## 7. Specification

Product Name	H2CAP/ H2CAP Plus		
Size	37.2 $\Phi$ * 42.5 mm(H)		
Weight	53 g		
Power	USB		
Electricity Consumption	Max 4.5 W		
Recommended Amount	500 mℓ		
Recommended Temperature	H2CAP: 10 ~ 30°C/ H2CAP Plus: 0 ~ 30°C		
Materials	Case: SUS304(Stainless)	Bottom Cap: Non-Toxic Elastomer	
	Body and Upper Cap: Tritan	Electrode Plate: Platinum Titanium	
Electrolysis Type	2 Chamber Platinum Titanium Electrode + Platinum PEM		
Electrolysis Performance	Dissolved Hydrogen(DH): 1,000 ppb ~ 1,500 ppb		
	ORP: -400 mV ~ -800 mV		
Operating Time	H2CAP: 5mins/ H2CAP Plus: 3.5mins ~ 5mins		
Manufacturer	IonFarms Co., Ltd.	Country of Origin	South Korea

※ Warranty: 1year



<http://www.h2cap.com>