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MITSUFUJI User manual

MH10-B26

hamon band V

Thank you for purchasing this product. Please read this manual carefully before using the product to ensure correct operation. Please keep this manual properly.

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Safety Precautions

Danger

- This product incorporates a built-in lithium-ion rechargeable battery. Do not throw this product into fire, heat it, charge it at high temperatures, or place it in high-temperature environments. This may cause fire, burns, accidents, or overvoltage, as well as overheating, ignition, bursting, or leakage of the built-in battery. If the product is used in the ways described above, it will not be covered by the warranty in case of malfunction.

Danger

- Do not disassemble or modify this product. This may cause fire, burns, injury or electric shock.

Caution

- Do not insert metal objects into this product. Doing so may cause fire or electric shock.
- Do not drop or hit this product against anything. If the product is damaged, stop using it immediately. Continued use may cause fire or electric shock.
- If the product becomes deformed or damaged due to dropping or other impacts, do not use it, as this may cause the built-in battery to overheat, ignite, explode or leak.

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Danger

- Charge the product regularly. Even if you do not use the product for a long time, please charge it approximately every six months. The built-in battery may bulge or become damaged.
- Please wear the belt correctly and do not fasten it too tightly. It may cause inflammation or rash.
- Discontinue use immediately if skin irritation, inflammation, or rash occurs.

Danger

- In rare cases, individuals with photosensitivity (photoallergy) may develop blisters or similar skin conditions even without pain. If this occurs, turn off the power immediately and discontinue use.

Prohibited

- Do Not Disassemble

Caution

- Caution

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Product Overview

(*1) Patent No. 7175473
(*2) Patent pending

hamon band V is a product that uses a patented algorithm (*1) developed by Mitsuji Corporation and the University of Occupational and Environmental Health to estimate rises and falls (*2) in core body temperature based on pulse wave data. The algorithm operates correctly when used in extremely hot environments. Calculation starts when this product is worn (powered on). When the heat risk level becomes moderate (Medium Risk), this product alerts the user with a yellow LED and vibration. When the risk increases further (High Risk), it warns with a red LED, vibration, and sound. This product aims to encourage users to rest and stay hydrated through these LED flashes, vibrations, and sounds.

- This product estimates changes in core body temperature based on pulse wave data and does not measure body temperature directly.
- This product is not a medical device.

Package Contents

Main unit Charging clip User manual

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Component Names

How to Use

How to Wear
Please wear it on your wrist as shown in the figure.

For accurate measurement, please wear this product so that the sensor part is in close contact with your skin.
* Please remove the protective sticker from the sensor before use.

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Power On
When this product is off, press and hold the side Power button for more than 3 seconds to turn it on. The motor will vibrate once, and the startup logo will appear on the screen.

Power Off
When this product is powered on, press and hold the side Power button for more than 3 seconds to turn it off. The motor will vibrate once when powering off.

Display
Measuring during startup

Normal	Risk Level: Medium	Risk Level: High
Screen Display: Blue	Screen Display: Yellow	Screen Display: Red
Vibration: No	Vibration: Yes	Vibration: Yes
Sound: No	Sound: No	Sound: Yes

How to Clear Notices and Warnings
When the "Caution" screen is displayed, press and hold the function button for 3 seconds to clear the warning.

When the "Warning" screen is displayed, press and hold the function button for 3 seconds to cancel the warning.

Wear Detection Function
This product automatically detects whether it is being worn using the rear sensor. When removed from the wrist, it automatically switches to power-saving mode. When worn again, measurement automatically resumes. This helps save battery and allows safe use.
* If not worn correctly, the wear detection function may not work properly.

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Charging Method

Please use the dedicated charging clip included in the box. Connect the charging terminal (gold part) on this product with the charging terminal (gold part) on the charger correctly.
Caution: Make sure this product and the charging clip are in proper contact.
Caution: To open the clip, press the bottom part to open this product attachment area. Do not force it.

Charging Connection: Securely attach the product to the charging clip and connect to power. The charging animation will appear on the screen.
Status indication: The charging animation remains displayed during charging, when the battery is fully charged, the animation stops and switches to a full charge notification, and you can disconnect the power supply.

Troubleshooting: If the charging animation does not appear, check whether the watch and the charging clip are securely connected and whether the power connection is proper.

Remaining Battery

Low Battery Notification

When the battery level falls below 10%, this screen will appear every 30 minutes.

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Care Instructions

- For accurate pulse wave measurement, regularly wipe the sensor and band parts with a cloth.
- Wipe clean especially after exercise or sweating. As this product is water-resistant, you can also use a soft cloth lightly dampened with water.
- Do not use benzene or alcohol.
- To prevent over-discharge, charge this product at least once every six months.

Usage Precautions

- This product does not guarantee safety from extreme heat risks. Regardless of what the product display shows, we strongly recommend taking appropriate rest if you feel unwell.
- This product does not guarantee the user's health condition or the presence or absence of illness.
- If the accuracy of pulse wave measurement decreases due to dirt on the sensor or improper wearing, the calculation accuracy will also decrease.
- If the main unit overheats during use, stop using it and contact customer support.
- Due to the nature of the materials, this product may fade or change color from moisture, sweat, sunlight, friction, etc.
- Do not apply strong impacts such as pulling or dropping the product, as this may cause malfunction.
- When using this product, please be careful not to catch on or damage surrounding objects.
- Do not use this product for purposes other than pulse wave measurement, as this may cause malfunction.
- The algorithm installed in this product is recommended for users aged 12 and older.

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Product Specifications

- Product Name: hamon band V
- Model: MH10-B26
- Dimensions: 43.5 x 24.8 x 11.85mm
- Material: PC
- Weight: About 29.6 g
- Watch Strap: Adjustable size: 145-238 mm
- Strap Material: Silicone
- Strap Color: Black
- Waterproof & Dustproof Performance: IP67
- Continuous Usage Time: 24 hours or more
- Operating Environment: -10 to 50°C
- Battery: 3.8V 190mAh
- Charging Interface: 2PIN interface
- Charging Time: 1-1.5 hours
- Origin: Made in China

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How to Check the Status

Measurement Status (Blue)
Wear the Wristband above the wrist bone. Adjust the strap to a moderate tightness, ensuring the sensor on the back of the watch fits closely against the skin without obvious shaking.
After this product is turned on, the continuous pulse wave measurement function will start automatically. The optical pulse wave sensor on the back will enter operating state, and the sensor area will emit a flashing green light. This light is a dedicated optical signal for pulse wave data collection, not a device malfunction. Please use it with confidence.

Heat Stroke Prevention

[Drink Plenty of Water]
Whether indoors or outdoors, always replenish water, salt and oral rehydration salts regularly, even if you do not feel thirsty.
[Avoid Heat Exposure]
Stay in cool places as much as possible, such as well-ventilated shaded areas.
Heatstroke Prevention (Ministry of Health, Labour and Welfare) (https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/0000170795) *Source: Ministry of Health, Labour and Welfare*

The alert may sound even if you do not feel unwell. Since internal body changes often occur without noticeable symptoms, we strongly recommend taking regular breaks and staying well hydrated.

*WBGT value: A heat index calculated based on temperature, humidity and radiant heat.

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How to Use

Normal (Blue)

- Operating normally, no problems.
- Please pay attention to the heat stroke index (WBGT value) during work.

Medium Risk (Yellow)

- When a rise in core body temperature is detected, the screen will flash yellow and vibrate repeatedly.
- Press and hold the Function Button for 3 seconds to stop the alert.
- We recommend staying hydrated. If possible, please rest in a cool place.
- When a fall in core body temperature is estimated, the screen will change to blue.

High Risk (Red)

- When a rise in core body temperature is detected, the screen will flash red, vibrate repeatedly, and sound an alarm.
- Press and hold the Function Button for 3 seconds to stop the alert.
- We recommend staying hydrated. If possible, please rest in a cool place.
- When a fall in core body temperature is estimated, the screen will change to blue.

This product uses a lithium-ion battery. When disposing of the battery, please comply with the waste disposal and recycling regulations in your area.

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When Encountering Problems

- If this product does not work properly, such as "measurement does not start even when turned on (blue flashing)" or "warning message does not disappear even when the function button is pressed", please perform a reset operation.
- To reset this product, please hold down the power button for 15 seconds. This product will power off and restart. Performing a reset will restore this product to its factory default settings.
- If this product still does not work properly after the reset operation, please contact Customer Support.

Contact Information

Customer Support
hamon.band@mitsuji.co.jp
Customer Support Hours
10:00-17:00 Monday to Friday (excluding weekends and public holidays)
Distributor
MITSUFUJI CORPORATION https://www.mitsuji.co.jp/
No part of this manual may be reproduced or transmitted without permission.
For product improvement purposes, the specifications and appearance of this product are subject to change without prior notice.
Please note that we shall not be liable for any damage or malfunction of other equipment caused by the use of this product.
Any export of products classified as strategic goods or services requires an export or service transaction license in accordance with the Foreign Exchange and Foreign Trade Act.

Disposal of This Product

This product uses a lithium-ion battery. When disposing of the battery, please comply with the waste disposal and recycling regulations in your area.

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Warranty

Thank you very much for purchasing this product. To ensure you can use it with complete peace of mind, this product has been delivered to you after strict quality control and inspection. In the unlikely event that any defect or malfunction occurs, we will provide free repair or replacement for one year in accordance with the warranty terms set forth in this Warranty Certificate.

Request to Customers

We kindly ask that you clearly fill in your name, address and telephone number. Please note that personal information such as your name, address and telephone number provided on this warranty certificate may be used to verify your eligibility for free replacement and to manage repair services. Fields marked with * are mandatory. This warranty will be invalid if these fields are left blank, so please be sure to fill them in.

Manufacturer
MITSUFUJI CORPORATION
Labo Building 13F, Keihanna Plaza, 1-7 Hikari-dai, Seika-cho, Soraku-gun, Kyoto

[Warranty Terms]

- If the product malfunctions within the warranty period under normal use in accordance with the operating instructions and precautions described in the user manual, we will provide free repair. Please contact hamon band Customer Support if you require free repair service.
- The product is not covered by free repair or replacement even within the warranty period in the following cases:
(1) This warranty certificate is not presented.
(2) The date of purchase, customer's name, or retailer's name is not filled in on this warranty certificate, or any content has been altered.

Product Name	hamon band V
Model Number	MH10-B26
Warranty Period	1 year
Retailer Name	

*To be filled in by the retailer.

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Warranty

(3) If this product has been improperly repaired, disassembled/modified, or if the display label on the main unit has been altered or removed.
(4) Malfunction or damage caused by careless handling or misuse.
(5) If the cause of malfunction is in equipment other than this product.
(6) Malfunction or damage caused by dropping, water ingress, or pressure after purchase.
(7) Malfunction or damage caused by fire, earthquake, flood, lightning, or other natural disasters, pollution, salt damage, abnormal voltage, etc.
(8) Wear or damage to consumable parts (such as the built-in battery).

- We cannot accept responsibility for any accidents that occur as a result of using this product incorrectly or for purposes other than pulse wave measurement.
- We cannot accept responsibility for any incidental damages related to malfunction of this product.
- Except in cases of intentional or gross negligence on our part, our liability for damages based on breach of contract or misconduct shall be limited to the purchase price of the product.
- Replacement parts exchanged through free repair are the property of the manufacturer.
- This warranty is valid only in Japan.
- This warranty will not be resumed, so please keep it in a safe place.
- This warranty guarantees free repair under the period and conditions stated in this warranty. It does not limit the legal rights of the customer toward us or any other business operator.

Your Name	
Your Address	
TEL	
Date of Purchase	Gregorian calendar Year Month Day

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FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

