

Wristband Device Especially Designed for

Detecting Heat Stress Risks with Algorithm to Estimate  
Changes in Core Body Temperature from Pulse Waves

# hamon band S



Selected features tailored to the needs from people who work  
especially under extreme heat environments



Rechargeable



A patented  
algorithm



No  
communication  
required



Risk indication  
with LEDs



Alert through  
sound and  
vibration



Log analysis  
service

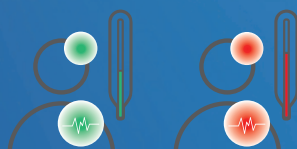


Waterproof  
Dustproof

Simply put it on  
your wrist



Estimate changes in core  
body temp. using a  
patented algorithm

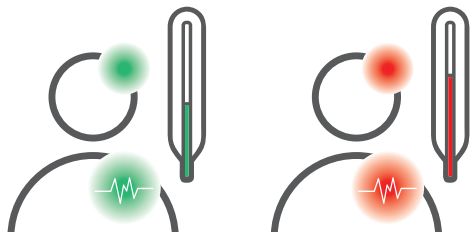


LEDs, vibrations and sound  
notify you of heat stress risks in  
advance

Normal Caution Warning



## About the world's first algorithm



Equipped with the world's first algorithm<sup>\*1</sup> estimating changes in core body temperature from heart rate during physical activity.

## Service Plan

### Log analysis



In the event of heat stress, if you send the device worn at the time to us, we are able to trace back and analyze 24 hours' worth of data.

\*Core body temperature is the internal temperature of vital organs. It is difficult to measure directly and is typically measured in the intestines.

<sup>\*1</sup>According to our survey

## Development story

Heat-related illness has been difficult to detect, diagnose and manage due to unclear causes including changes in core body temperature. In collaboration with the University of Occupational and Environmental Health, MitsuFuji has spent three years collecting data under extreme heat conditions to develop the world's first, and the patented algorithm<sup>\*1</sup> that estimates changes in rise and fall of core body temperature using pulse waves.

### Product specifications

Product name	: hamon band S	Memory	: stored on the device for 24 hours
Continuous operation time	: Approx. 24 hours	Wrist size	: Approx. 130mm to 220mm
Battery	: Rechargeable	IP level	: IP67

\*This product is not a medical device.