



BORN FREE, PERFORM STRONGLY

FCC Warning

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.

Any 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 RF exposure statement: (For heart rate sensor)

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

FCC RF exposure statement: (For Wireless Charging Base)

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance between 20cm the radiator your body.



PROFESSIONAL SPORTS HEART RATE TRACKER

Global Limited Warranty

DeepTide Sports Technology Co., Ltd. offers a 1-year global warranty for original purchasers.

In Japan, warranty is provided by UmiLab Co., Ltd.

Covered items:

- SC106 main unit (1 year)
- Silicone or plastic bands (1 year)

The warranty does not cover:

- Battery wear
- Damage caused by misuse, accidents, or unauthorized maintenance
- Cosmetic damage such as scratches or broken casing
- Fabric or elastic bands, and apparel (e.g., sensor vests)

Warranty excludes liability for any associated direct or indirect losses.

Second-hand units are not covered under warranty.

Authorized dealers will provide service. Keep your purchase receipt as proof.

Warranty Policy

- Within one year of purchase, users can request free repair for faults under normal use.
- 15-day replacement and 1-year warranty for the main device.
- Refer to the Global Limited Warranty section above for full terms.
- Contact your dealer for pre-return testing and repair arrangements.

Manufacturer Information

DeepTide Sports Technology Co., Ltd.

Address: Room 301, Building 9, Yangbei Industrial Park Phase II, Hangcheng Street, Huangtian Community, Shenzhen, Guangdong, China

Website: www.deeptide.cn

Email: info@deeptide.cn

After-sales service: +86-130-1888-1800



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Warranty Card

User Name: _____

Product ID: _____

Purchase Location: _____

Purchase Date: _____

Phone: _____

Email: _____

Postal Code: _____

Address: _____



Activix App for iPhone



Activix App for Android



Product Manual SC106

DeepTide Sports Technology Co., Ltd.



Product Overview

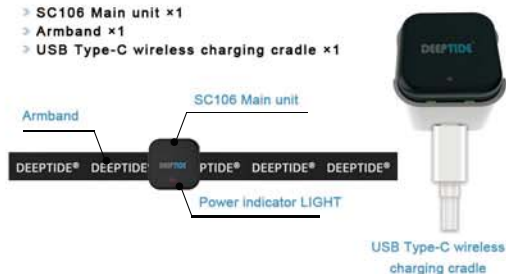
Thank you for choosing our smart heart rate monitor. SC106 is an optical sports heart rate sensor, designed for simplicity, comfort, and accurate measurement. Its innovative U-shaped buckle design fits closely to the skin and reduces skin pressure. It can be flexibly used with various armbands or swimming goggles, enabling heart rate monitoring in diverse sports environments.

⚠ SC106 is not a medical device. All data is for fitness reference only.

⚠ For first-time use, please charge the device to activate it.

Package Contents

- SC106 Main unit x1
- Armband x1
- USB Type-C wireless charging cradle x1



Technical Specifications

- Dimensions: 28.0 × 28.0 × 13.4 mm
- Weight: 7.9 g (excluding strap)
- Battery: 3.85V, 70mAh rechargeable lithium battery
- Battery Life: Approx. 20 hours of typical use (varies by usage intensity)
- Operating Temperature: -10°C to 50°C / 14°F to 122°F
- Communication: BLE, ANT+
- Waterproof Rating: IP68, suitable for swimming
- Internal Storage: Built-in memory for up to 48 hours of offline heart rate data recording

Functions & Operation

Power On: Automatically turns on when worn.

Power Off: Automatically shuts down 1 minute after removal, indicated by rapid red LED blinking.

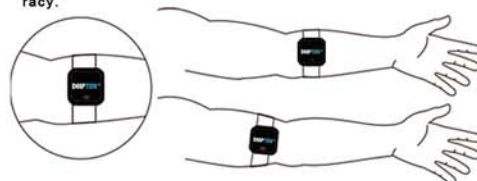
LED Indicator Meanings

- Pink Flashing: Operating normally, not connected to Bluetooth.
- Blue Flashing: Operating normally, connected to Bluetooth.
- Red Flashing: Battery level critically low.
- Red & Green Alternating: Charging in progress.
- Green Solid: Fully charged.

Wearing Instructions

Armband Method

- Pass the armband through the sensor buckle and wear it on the upper forearm or upper arm.
- Do not wear it on the wrist.
- Adjust strap tightness to ensure snug skin contact—neither too loose nor too tight, as this may affect comfort and accuracy.



Swimming Goggle Method

- Detach the armband and thread the goggle strap through the upper and lower buckle slots.
- Position the device at the temple with the sensor facing inward.
- Adjust tightness so that the sensor firmly touches the skin. Ensure hair or swim cap does not obstruct the sensor, as this can affect heart rate accuracy.



Getting the Most Out of SC106

Connect SC106 via Bluetooth to the EAP Manage Team Training System or the Activix Personal Training App to unlock full functionality.

You can view:

- Real-time heart rate
- Exercise intensity
- Calorie consumption
- Autonomic Nervous System (ANS) balance index
- Group exercise statistics
- Historical data

Historical data can also be transferred to a computer via cable for in-depth analysis.

Download the Activix Personal Training App to:

- View your personal fitness data
- Customize sensor settings
- Sync and analyze stored data
- Generate daily reports including heart rate, HRV, activity level, steps, and more



Training with SC106

Setup Personal Info

- Turn on the device and pair it with the EAP Manage Team Training System or Activix Personal Training App via Bluetooth.
- Enter personal data such as height, weight, and age in the app.
- SC106 will automatically calculate your max heart rate and configure vibration alerts to enhance data accuracy.

Rich Fitness Metrics

As an optical heart rate sensor, SC106 supports multiple outputs for performance reference:

- Heart Rate
- HRV (Total Power, LF/HF, LF%) — These HRV parameters provide insight into your autonomic nervous system status.
- Step Count
- Calorie Burn
- Heart Rate Zones

Real-time Output & Storage

SC106 supports real-time tracking of heart rate, HRV, zones, and calories, while storing all data internally during use—ensuring no data loss during intense training or outdoor activities.

After your workout, you can sync data with the EAP Manage Team Training System or Activix Personal Training App for review and analysis.

Safety Notes

- SC106 is not a medical device and is intended only for sports use. Please consult a physician before setting exercise intensity or heart rate zones.
- If you feel unwell during exercise, stop training and seek medical advice.

Disclaimer

This manual is for reference only.

Due to continuous product development and upgrades, content may change without notice.

We accept no liability for any direct, indirect, incidental, or consequential damages arising from the use of this manual or product.

Regulatory Compliance

- Compliant with the EU RED Directive (2014/53/EU)
- Meets UK Radio Equipment Regulations (SI 2017/1206), Electrical Equipment Safety Regulations (SI 2016/1101), and EMC Regulations (SI 2016/1091)
- FCC Part 15 Class B digital device compliant