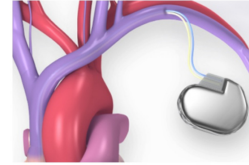


HWM Multilog IS Heart Pacemaker



# HWM Multilog IS Heart Pacemaker Instruction Manual

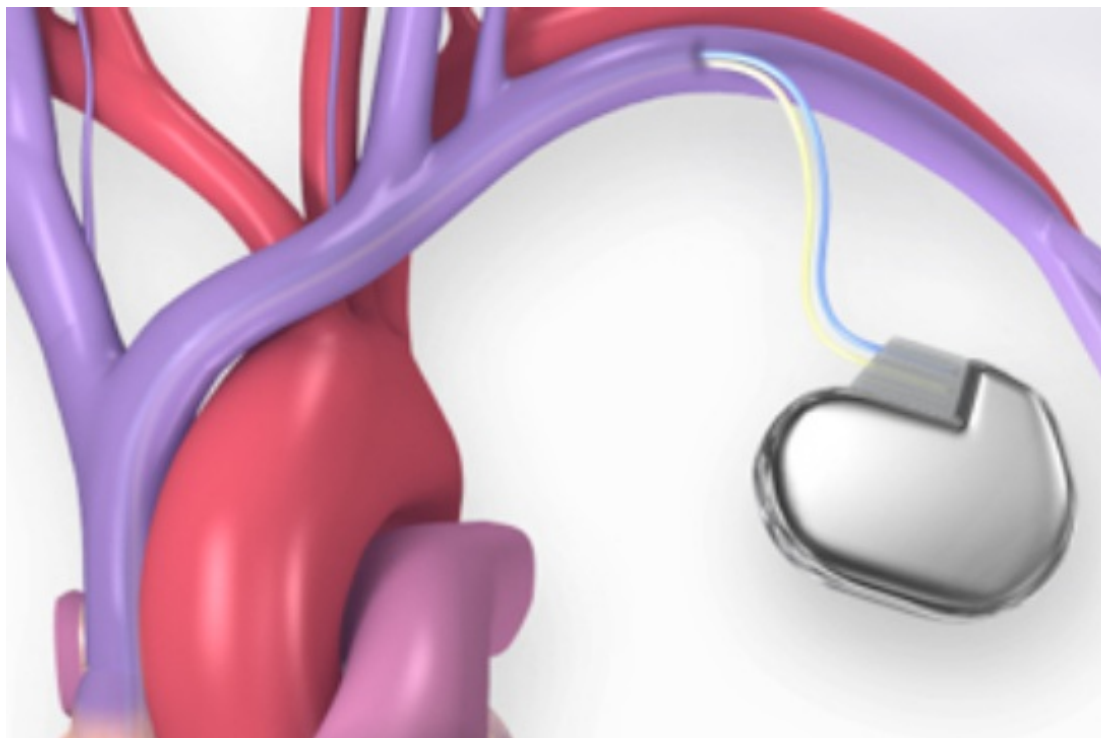
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**HWM Multilog IS Heart Pacemaker**



## Product Specifications

- **Model:** MAN-156-0002-C
- **Safety Warnings:** High-strength magnet, is not suitable for individuals with heart pacemakers
- **Manufacturer:** HWM-Water Ltd
- **Wireless Frequency Bands:** 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2.45GHz

## Product Usage Instructions

### Safety Warnings and Approvals Information

- Before using the product, ensure that you are not carrying a heart pacemaker due to the high-strength magnet used in the equipment.

### Disposal and Recycling

- When disposing of the equipment or its batteries, adhere to local regulations. Do not dispose of them as normal waste; take them to designated collection points for safe handling and recycling.

### Returning Waste Electrical and Electronic Equipment

1. Ensure the equipment meets disposal conditions.
2. Pack the equipment securely and attach a Lithium Warning Label.
3. Include a document specifying lithium metal cells and handling instructions.
4. Refer to ADR regulations for shipping dangerous goods by road.
5. Deactivate the equipment before shipping and disconnect any external battery pack.
6. Return the Waste Electrical and Electronic Equipment to HWM-Water Ltd using a licensed waste carrier.

## Radio Equipment Directive (2014/53/EU)

The wireless features of the product operate within specified frequency bands. Ensure compliance with radio frequency regulations.

### FAQ

- **Q:** Is it safe for individuals with heart pacemakers to be near the product?
- **A:** No, due to the high-strength magnet used in the equipment, individuals with heart pacemakers should not be near the product.
- **Q:** How should I dispose of the equipment and its batteries?
- **A:** Follow local regulations for responsible disposal. Do not treat them as normal waste; take them to designated collection points for recycling.

### Safety Warnings and Approvals Information

- This document applies to the following family of logger devices:

### IMPORTANT SAFETY NOTE

- This equipment uses a high-strength magnet and should not be carried by or be placed in the proximity of anyone with a heart pacemaker.
- Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.



### SAFETY

- Refer to the “Important Safety Note” at the start of this document, regarding Heart Pacemakers.
- **WARNING:** When this equipment is being used, installed, adjusted, or serviced this must be undertaken by suitably qualified personnel familiar with the construction and operation of the equipment and the hazards of any utility network.
- When installing in an ATEX environment, ensure only ATEX-approved logger, sensors and accessories are used (check each product label to confirm). Ensure accessories are compatible with the equipment. Refer to the user guide for more information.
- When used in an ATEX environment, this equipment must be installed by a fully ATEX-trained installer.

- Contains a Lithium battery. Fire, explosion and severe burn hazards. Do not recharge, crush, disassemble, heat above 100 °C, incinerate, or expose contents to water.
- CHOKING HAZARD – Contains small parts. Keep out of the reach of small children.
- Designed for outdoor use in areas that may become flooded resulting in the equipment becoming soiled. Wear appropriate protective clothing when installing or removing the product from the installation site. Protective clothing is also required when cleaning the equipment.
- Do not disassemble or modify the equipment, except where detailed instructions are given in the user manual; Follow the instructions within the user manual. The equipment contains a seal to protect against water and moisture ingress. Water ingress may cause damage to equipment, including a risk of explosion.

## **Use and Handling**

- The equipment contains sensitive parts that can be damaged by incorrect handling. Do not throw or drop the equipment or subject it to mechanical shock. When transporting in a vehicle, ensure the devices are secured and adequately cushioned, so they cannot fall and so that no damage can occur.
- No user-serviceable parts inside, unless details are given in the user manual. Follow the instructions in the user guide. The equipment must only be serviced or disassembled by the manufacturer or its authorised repair centre.
- The equipment is powered by an internal battery which may
- Do not store above 30 °C for prolonged periods, as this will present a risk of fire or chemical burn if the equipment reduces the life of the battery.
- mistreated. Do not disassemble, heat above 100 °C, or
- The lifetime of the battery is limited. The equipment is designed to incinerate.
- Where an external battery is supplied, this also may present a risk of fire or chemical burn if the equipment is mistreated. Do not disassemble, heat above 100 °C, or incinerate.
- Normal operating temperature: -20°C to +60°C. Do not expose to direct sunlight for prolonged periods. Do not mount on apparatus that can exceed this temperature range. Do not store above 30°C for prolonged periods.
- The antenna must be attached to the unit before use.
- Align the antenna connector and rotate the outer nut clockwise until it is finger-tip tight. Do not over-tighten.
- When removing a logger from a fitting, grasp the main body of the logger or use the optional lifting hooks. Removal of the logger by grasping the antenna or antenna cable can cause permanent damage and is not covered by warranty.
- Store unused loggers in the original packaging. The equipment can become damaged by applying heavy loads or forces to it.
- The equipment may be cleaned by use of a soft cloth lightly moistened with a mild cleaning fluid (e.g. a diluted domestic dish-washing liquid). A disinfectant solution may be used to sanitise if required (e.g. a diluted domestic disinfectant). For heavy soiling, gently remove debris with a brush (e.g. a domestic dishwashing tool, or similar). Ensure all connection points have a water-tight cover attached during cleaning, to prevent water ingress. When the connectors are not in use, keep the inside of the connectors clean. Do not allow liquid, moisture, or small particles to enter the equipment or connector. Do not pressure-wash as it may damage the equipment.

## **Radiation Exposure Statement**

- This equipment contains a radio transmitter and receiver. Use of antennas and accessories not authorised by HWM may void the compliance of the product and may result in RF exposures beyond the safety limits established for this equipment.
- When installing and using this product, maintain a 20 cm (or greater) distance between the antenna and the head or body of the user or nearby persons. The attached antenna must not be touched during transmitter operation.

### **Battery – Caution Points**

- The equipment contains a non-rechargeable Lithium Thionyl Chloride battery. Do not attempt to recharge the battery.
- Where an external battery is supplied, this also contains a non-rechargeable Lithium Thionyl Chloride battery. Do not attempt to recharge the battery.
- In the event of damage to the battery or the equipment, do not handle it without appropriate protective clothing.
- Do not attempt to open, crush, heat or set fire to the battery.
- In the event of damage to the battery or equipment, ensure there is no risk of short-circuit whilst handling or shipping.

Pack with non-conductive materials that give suitable protection. Refer to sections Waste Electrical and Electronic Equipment and Battery Directive.

- If the battery fluid leaks, stop using the product immediately.
- If the battery fluid gets onto your clothes, skin, or eyes then rinse the affected area with water and consult a doctor. The fluid can cause injury and blindness.
- Always dispose of batteries under local laws or requirements.

### **Battery – Lifetime**

- The battery is single-use (not rechargeable).
- The equipment is powered by an internal battery which may • Do not store above 30 °C for prolonged periods, as this will present a risk of fire or chemical burn if the equipment reduces the life of the battery. mistreated. Do not disassemble, heat above 100 °C, or
- The lifetime of the battery is limited. The equipment is designed to minimise power use from the battery, but this can vary according to the specific tasks it is given, its installation conditions and the operation of any 3rd-party equipment it communicates with. The equipment may re-attempt certain tasks (e.g. communication) if required, which decreases battery life. Ensure the equipment is installed correctly to maximise its battery life.
- Where the equipment has a facility to provide additional power, only batteries and/or parts supplied for the equipment by HWM should be used.

### **Waste Electrical and Electronic Equipment and the Battery Directive**

Disposal and recycling: When the equipment or its batteries reach the end of their useful life, they must be disposed of responsibly, according to any applicable country or municipal regulations. Do not dispose of Waste Electrical and Electronic Equipment or batteries as normal domestic waste; they must be taken by the user to a separate waste collection point designated for safe handling and recycling under local laws.

Waste Electrical and Electronic Equipment and batteries contain materials that, when correctly processed, may be recovered and recycled. Recycling products reduces the need of new raw materials and also reduces the amount of material that is sent for disposal as landfill. Improper handling and disposal can be harmful to your health and

the environment. For more information regarding where the equipment can be accepted for recycling, please contact your local authority, recycling centre, distributor or visit the website

<http://www.hwmglobal.com/company-documents/>.

#### **Waste Electrical and Electronic Equipment.**

HWM-Water Ltd is a registered producer of Electrical and Electronic Equipment in the United Kingdom (registration number WEE/AE0049TZ). Our products fall under category 9 (Monitoring and Control Instruments) of The Waste Electrical and Electronic Equipment Regulations. We take all environmental issues seriously and fully comply with the requirements for collection, recycling and reporting of waste products.

HWM-Water Ltd is responsible for Waste Electrical and Electronic Equipment from customers in the United Kingdom provided that:



- The equipment was produced by HWM-Water Ltd (Palmer Environmental / Radcom Technologies / Radiotech / ASL Holdings Ltd) and supplied on or after 13th August 2005. or

The equipment was supplied before 13th August 2005 and has been directly replaced by HWM-Water Ltd products manufactured since 13th August 2005.

- HWM-Water products supplied after 13th August 2005 can be identified by the following symbol:



- Under HWM-Water Ltd.'s Terms and Conditions of Sale, customers are responsible for the cost of returning WEEE to HWM-Water Ltd and we are responsible for the costs of recycling and reporting on that waste.
- Instructions for returning Waste Electrical and Electronic Equipment:

1. Ensure that the Waste Electrical and Electronic Equipment meets one of the two conditions above.
2. The waste will need to be returned by the regulations for transporting equipment with lithium batteries.
  - Pack the equipment in strong, rigid outer packaging to protect them from damage.
  - Attach a Lithium Warning Label to the package.
  - The package must be accompanied by a document (e.g. consignment note) that indicates:
    - The package contains lithium metal cells;
    - The package must be handled with care and a flammability hazard exists if the package is damaged;
    - Special procedures should be followed in the event the package is damaged, including inspection and repacking if necessary; and
    - A telephone number for additional information.
  - Refer to the ADR regulations on shipping dangerous goods by road.
  - Do not transport damaged, defective, or recalled lithium batteries by air.
  - Before shipping, the equipment must be shut down. Refer to the User Guide of the product and any applicable utility software for guidance of how to deactivate it.
  - Any external battery pack must be disconnected.
3. Return the Waste Electrical and Electronic Equipment to

#### **HWM-Water Ltd uses a licensed waste carrier.**

In accordance with the regulations, customers outside the United Kingdom are responsible for Waste Electrical and Electronic Equipment.

## The Battery Directive

As a distributor of batteries, HWM-Water Ltd will accept old batteries back from customers for disposal, free of charge, under the Battery Directive.

**PLEASE NOTE:** All lithium batteries (or equipment containing lithium batteries) **MUST** be packaged and returned under the relevant regulations for transporting lithium batteries.

- A licensed waste carrier must be used for transporting all waste.
- For more information on Waste Electrical and Electronic Equipment compliance or the Battery Directive please e-mail
- [CService@hwm-water.com](mailto:CService@hwm-water.com) or phone +44 (0)1633 489 479

## Radio Equipment Directive (2014/53/EU)

Radio frequencies and Powers.

The frequencies used by the wireless features of this product are in the 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz and 2.45GHz ranges.

Wireless frequency band and maximum output power:

- GSM 700/800/850/900/1700/1800/1900/2100 MHz: less than 2.25W
- Bluetooth-compatible 2.45GHz: less than 1mW.

## Antennas

Only antennas supplied by HWM should be used with this product.

### Regulatory Compliance Statement:

- Hereby, HWM-Water Ltd declares that this equipment complies with the following:
- Radio Equipment Directive: 2014/53/EU and the relevant UK Statutory Instruments requirements.
- A copy of the full text of the UK and EU declarations of conformity is available at the following URL:  
[www.hwmglobal.com/product-approvals/](http://www.hwmglobal.com/product-approvals/).

## FCC STATEMENT

### FCC Compliance Information:

- Fluid Conservation Systems,
- 1960 Old Gatesburg Road, Suite 150, State College, PA 16803
- T: 1-[800-531-5465](tel:800-531-5465)



The following product models:

- Multilog IS (MLIS \* / \* / \* / IS / \*)
- Comply with the rules, as applicable.

## **FCC compliance statement**

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions to satisfy RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used under the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Contains: FCC ID: RI7ME310G1WW / RI7-S42M.

## **Industry Canada – Compliance Statement**

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Contains IC: 5131A-ME310G1WW / 5131A-S42M.

## **CONTACT**

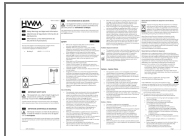
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## Documents / Resources



[HWM Multilog IS Heart Pacemaker](#) [pdf] Instruction Manual  
Multilog IS Heart Pacemaker, Multilog IS, Heart Pacemaker, Pacemaker

## References

- [💧 Convenient Water Delivery Near You | Primo Water Delivery](#)
- [🌐 HWM | Energy Management, Pressure Control, Data Collection, Environmental Monitoring, Leak Detection,](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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