



# HWM S170 RadarSens Level Monitoring System Wastewater Monitoring Instruction Manual

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## SAFETY

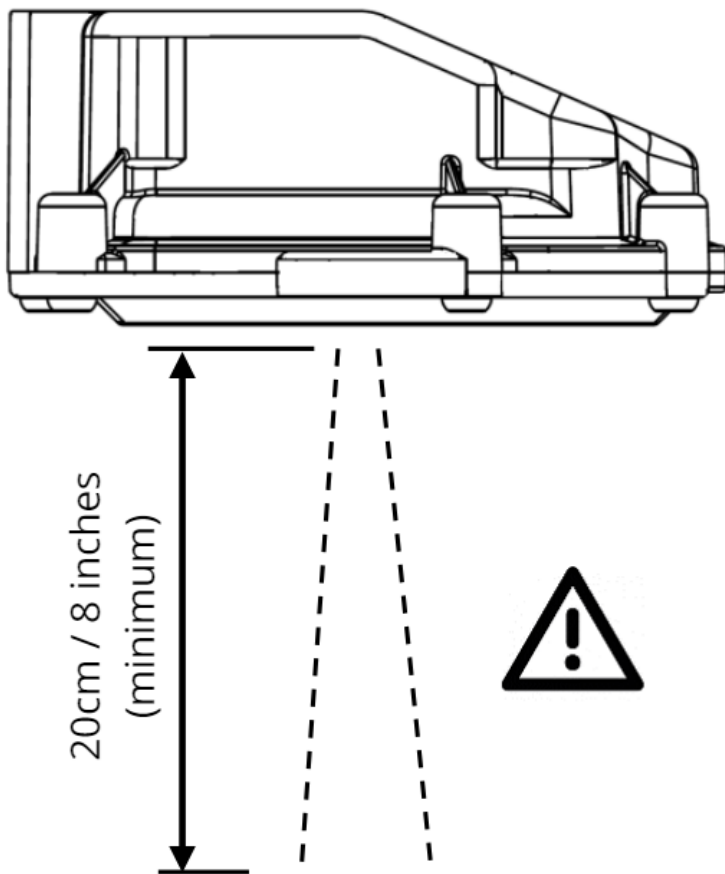
- Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.

- **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.
- Ensure any local rules or regulations are followed during installation. Prior to commencing work obtain the permission of the owner of the site.
- 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.
- **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. Contains a seal to protect against water and moisture ingress. Water ingress may cause damage to equipment.
- 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). The cloth must be damp; do not use a dry cloth. A disinfectant solution may be used to sanitise if required (e.g. a diluted domestic disinfectant). 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.

## 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.
- Install equipment securely, using the brackets, as described in the user-guide.
- No user-serviceable parts inside. The equipment must only be serviced or disassembled by the manufacturer or its authorised repair centre.
- 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.
- Hold the main body of the unit when carrying. DO NOT carry by the cable as this can cause permanent damage and is not covered by warranty.
- Store unused equipment in the original packaging. The equipment can become damaged by applying heavy loads or forces to it.

## Radiation Exposure Statement



This equipment contains a radio transmitter and receiver.



When installing and using this product, maintain a 20 cm (or greater) distance between the radiator (located at the lower surface of RadarSens) and the head or body of the user or nearby persons.

## Waste Electrical and Electronic Equipment and the Battery Directive



**Disposal and recycling:** When the equipment reaches the end of its useful life, it 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 in accordance with local laws.

Waste Electrical and Electronic Equipment and batteries contain materials that, when correctly processed, may be recovered and recycled. Recycling product 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 center, distributor or visit the website [http:// www.hwmglobal.com/company-documents/](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 waste electrical and electronic equipment 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. Return the Waste Electrical and Electronic Equipment to HWM-Water Ltd.

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

1. Radio frequencies and Powers.

The frequencies used by the wireless features of this product are in the 57GHz – 64GHz ranges. Wireless frequency band and maximum output power:

- Radar 57GHz – 64GHz : less than 0.01W (E.I.R.P.)

**Regulatory Compliance Statement:**

Hereby, HWM-Water Ltd declares that this equipment is in compliance with applicable EU Directives 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 Compliance Information:**



Fluid Conservation Systems, 1960 Old Gatesburg Road, Suite 150, State College, PA 16803

T: 1-[800-531-5465](tel:8005315465)

## **Fluid Conservation Systems**

**The following product models:** RadarSens (S170/\*\*/\*\*/)

Comply with the rules, as applicable.

- 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 for satisfying RF exposure compliance. This transmitter must not be co-located or operating 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, pursuant to 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 in accordance with 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: 2AQ6KA1001

## **Industry Canada – Compliance Statement:**

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:** 24388-A111.


The sensor module meets the radio requirements for the 57-64 GHz band for the following type of applications:

- field disturbance sensor employed for fixed operations.



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## Documents / Resources

	<a href="#">HWM S170 RadarSens Level Monitoring System Wastewater Monitoring</a> [pdf] Instruction Manual S170 RadarSens Level Monitoring System Wastewater Monitoring, RadarSens Level Monitoring System Wastewater Monitoring, Monitoring System Wastewater Monitoring, System Wastewater Monitoring, Wastewater Monitoring, Monitoring
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## 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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