



HWM Touch Pro Advanced Leak Noise Correlator User Manual

[Home](#) » [HWM](#) » HWM Touch Pro Advanced Leak Noise Correlator User Manual 

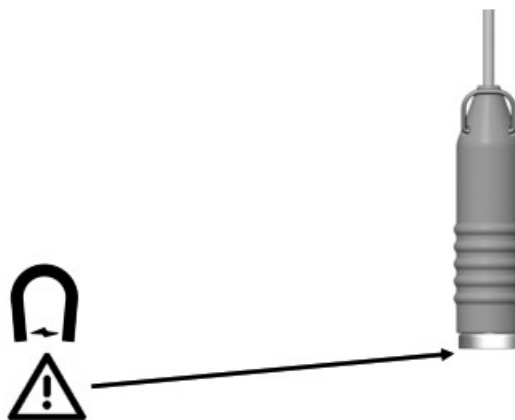


MAN-068-0007-B

Safety Warnings and Approvals Information.

This document applies to the following product family and its accessories:

- Touch Pro system, (MCT – *) Touch-Pro TM system.
 - Tri Corr Touch system (MCT – US *) Tri Corr Touch TM system.
- (The above models will be referred to only as “Touch-Pro” in this document).



Contents

[1 IMPORTANT SAFETY NOTE:](#)

[2 SAFETY](#)

[3 Radiation Exposure Statement](#)

[4 FCC Compliance Information:](#)

[5 Documents / Resources](#)

[5.1 References](#)

[6 Related Posts](#)

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.

The product is usually supplied as a kit containing the “Touch-Pro” base unit and various additional equipment and accessories, including:

- “Touch-Pro” base unit.
- “Touch-Pro” outstation unit(s).
- Antennae.
- “Touch-Pro” battery packs (Lithium ion).
- Magnetic Microphone sensor units.
- Cables.
- Carry case.
- Mains-powered charger for Touch-Pro.
- Car powered charger for Touch-Pro.
- Headphones (wired).
- (option) Hydrophone 2 sensor kit (with accessories).

Note: Where a Hydrophone 2 sensor kit option is supplied, refer to the separate safety sheet provided as part of the kit.

SAFETY

- Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.
- The Touch-Pro base unit and outstation units each contain a rechargeable Lithium battery. Fire, explosion and severe burn hazard. Do not 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.
- The Touch-Pro base unit and outstation units are designed for outdoor use.
 - o Protect from water ingress by keeping all connectors that are not in use covered by the protective cover.
 - o 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 risk of explosion.
- The Touch-Pro carry case is designed for indoors use or in-vehicle use only but can also be used outdoors in

fine weather.

- o Keep the lid of the carry case closed whenever possible to protect from rain. Keep the case covered during bad weather conditions (e.g., store within a vehicle).
- The mains-powered charger and car-powered charger are designed for indoors use or in-vehicle use only.
 - o Protect from water. Water ingress may cause damage to equipment, including risk of electric shock.
 - o Do not touch the mains-powered charger with wet hands.
 - o Do not clean any equipment whilst it is connected to the mains supply.
- The carry case is designed for holding the items supplied as a kit together whilst travelling and for storage. It gives minimal protection against water.
 - o Ensure all equipment is dry before placing into the carry case.
 - o When carry case is used to transport mains powered charger, protect from water.
- If the mains charger becomes damaged, it must not be used. It must be replaced.

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. Use of the carry case for storing equipment is recommended.
- No user-serviceable parts inside, except for Touch-Pro battery pack. The equipment must only be serviced or disassembled by the manufacturer or its authorised repair centre.
- The Touch-Pro base unit and outstation units are each powered by an internal battery which 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 +50°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. A different temperature range applies during charging.
- Normal operating temperature (mains adapter): 0°C to 40°C.
- Do not handle or carry equipment using cables. This can cause permanent damage and is not covered by warranty.
- When removing cables from the equipment (e.g., headset, charger, etc), do not pull the cable; be sure to hold the cable using the connector. Remove the mains-powered charger from the mains outlet by using the body of the charger, not the attached lead.
- Store the equipment in the carry case. The equipment can become damaged by applying heavy loads or forces to it.
- Ensure the Touch-Pro equipment is always placed in a suitable location so that it does not fall. Do not place where someone can tread on it. Damage to the unit, particularly the LCD screen could result.
- 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). Dry immediately after cleaning using a dry soft cloth. 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 and cover them with a protective cover. Do not allow liquid, moisture, or small particles to enter the equipment or connector.
- Only use the equipment when it is safe to do so. The user should ensure they are using the equipment in a safe environment, and not at risk from road traffic, etc.
- When using the headphones, ensure the volume is not excessive as hearing damage may result; adjust the

volume if required.

- Viewing the LCD in strong light can cause strain to your eyes.

Re-position if possible or consider changing to a high contrast mode.

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. Attached antenna must not be touched during transmitter operation.

Battery – Caution Points.

- The Touch-Pro base unit and outstation units each contain a rechargeable Lithium Polymer battery.
- The battery is user replaceable. Follow the instructions in the user guide. Only use a replacement battery supplied by HWM.
- In the event of damage to the battery or the equipment, do not handle 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 in accordance with local laws or requirements.

Battery – Lifetime.

- The Touch-Pro battery is rechargeable.
- The ability of the battery to hold charge reduces gradually with age and use. Consider replacing the battery when it holds insufficient charge. Contact HWM to obtain a replacement battery.
- Do not store above 30 °C for prolonged periods, as this will reduce the life of the battery.

Battery – Charging.

- The Touch-Pro battery may be recharged using only the HWM supplied mains-powered charger or car-powered charger.
- The equipment can be charged whilst in the storage case.
- Do not charge for more than 24 hours.
- Temperature limits during charging: 0°C to 40°C.

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 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/>

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) The waste will need to be returned in accordance with the regulations for transporting equipment with lithium batteries.
 - a. Pack the equipment in strong, rigid outer packaging to protect them from damage.
 - b. Attach a Lithium Warning Label to the package.
 - c. The package must be accompanied by a document (e.g. consignment note) that indicates:
 - i. The package contains lithium metal cells;
 - ii. The package must be handled with care and that a flammability hazard exists if the package is damaged;
 - iii. Special procedures should be followed in the event the package is damaged, to include inspection and repacking if necessary; and
 - iv. A telephone number for additional information.
 - d. Refer to the ADR regulations on shipping dangerous goods by road.

Do not transport damaged, defective, or recalled lithium batteries by air.

(3) Return the Waste Electrical and Electronic Equipment to HWM-Water Ltd using 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, in accordance with the Battery Directive.

PLEASE NOTE: All lithium batteries (or equipment containing lithium batteries) **MUST** be packaged and returned in accordance with 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 CSservice@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 433 – 475 MHz ranges.

Refer to the product label for specific frequency details. MAN-068-0007-B

Power:

- Red Outstation:
Proprietary radio – less than 500mW.
- Blue Outstation:
Proprietary radio – less than 500mW.

2. Antennas

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

Regulatory Compliance Statement: Hereby, HWM-Water Ltd declares that this equipment is in compliance 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/

FCC Compliance Information:



Fluid Conservation Systems, 1960 Old Gatesburg Road, Suite 150,
State College, PA 16803 T: 1-800-531-5465 The following product models: Tri Corr Touch system, (MCT-US *)
Tri Corr Touch TM system. 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 for satisfying 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, 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.
FCC ID: RUZ-068

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. IC: 10962A-068.


HWM-Water Ltd Ty Coch House
Llantarnam Park Way Cwmbran

NP44 3AW United Kingdom
+44 (0)1633 489479

www.hwmglobal.com

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Documents / Resources

	<p>HWM Touch Pro Advanced Leak Noise Correlator [pdf] User Manual Touch Pro Advanced Leak Noise Correlator, Touch Pro, Advanced Leak Noise Correlator, Leak Noise Correlator, Noise Correlator, Correlator</p>
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References

- [💧 Water.com Bottled Water | Delivery Service](#)
- [📡 HWM | Energy Management, Pressure Control, Data Collection, Environmental Monitoring, Leak Detection.](#)
- [📄 Company Documents](#)
- [📄 Product Approvals](#)