

# Xmic

## Ground microphone

Xmic is an advanced, easy to use electronic ground microphone.

Xmic detects and amplifies the noise created by leaks in pressurised pipes, the leak position can be verified by surface sounding prior to any excavation and repair being carried out. This ensures increase accuracy, reducing and ensuring disruption to the consumer is minimized.



### Key Features and Benefits

- **Large LED display:** Large backlit multi-function display perfect for night work
- **Accurate:** Automatic quick set filters or manual filtering to suppress background noise and target leak noise.
- **Quick:** 'Analogue' style moving meter gives quick representation of noise level trends.
- **Long term monitoring:** Long battery life / Rechargeable
- **Lightweight:** Easily portable system
- **User friendly:** High noise level suppression for user comfort & safety
- **Recording function:** Levels of leak noise can be recorded for comparison in a histogram profile. Minimum Level Profiling ensures accurate graphing.

### Applications

Xmic user friendly filter settings automatically sets filters for the pipe material. To further suppress background noise and find difficult leaks, experienced operators can choose to use manual filtering allowing them to filter band width to be positioned anywhere within the filter range.

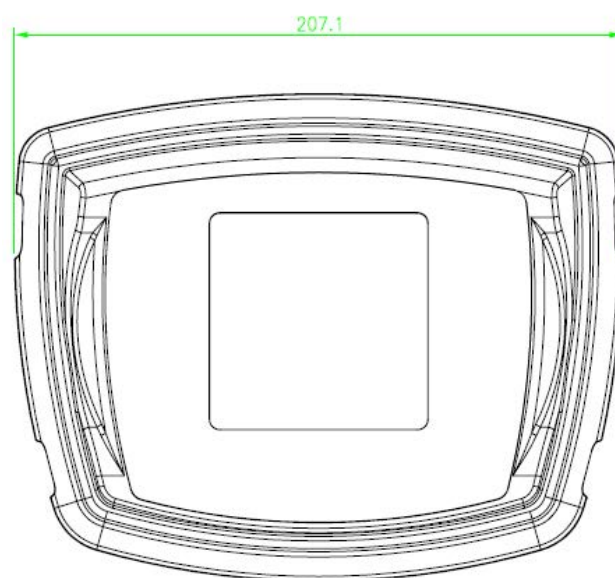
Minimum Level Profiling checks the readings over the previous 3 seconds and memorises the lowest noise level. As the sensor is moved, a series of readings are taken, the last ten readings are memorized and displayed digitally and graphically to clearly show the leak position.

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### Logger Features

Frequency range	30 to 3000Hz
Battery	2 x lithium ion 1.8Ah rechargeable batteries
Battery life	Minimum 25 hours (without backlight) Minimum 15 hours (with backlight)
Battery Charge Charger	Maximum 8 hours Universal 110-240V AC mains charger with 12V DC output
Dimensions	207H x 165W x 76D mm (8.1"H x 6.5"W x 2.9"D).
Weight	1kg
Operating Temp	-15 C - 50 C
Connection	Military standard
Keypad	Membrane with push button
Display	128 x 128 transfective LCD
Signal level display	0-99
Ingress protection	IP65
Microphone cable	1.5m (detachable)
Microphone weight	2.9kg
Hand probe length	400mm



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### HWM Water Limited

Ty Coch House  
Llantarnam Park Way  
Cwmbran  
NP44 3AW  
United Kingdom

Tel: +44 (0) 1633 489 479  
Fax: +44 (0) 1633 877 857  
Email: [sales@hwm-water.com](mailto:sales@hwm-water.com)  
Web: [www.hwmglobal.com](http://www.hwmglobal.com)

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