



## EUREKA5

# Rapid detection of leaks in water networks

The Eureka5 from Ovarro is a tablet-based leak noise correlator that will rapidly locate leaks in a water network. Eureka5's intuitive design allows operators to pinpoint leak locations with the minimum amount of training. Designed for the daily rigors of demanding sitework.



The Eureka5 can help operating teams in reducing the number of leakage incidents, quickly. It's designed to be the ultimate support tool with a touch screen tablet, powerful filtering options and the ability to locate sensors with GPS. For operators looking to find more leaks per man per hour, that would otherwise be missed, the Eureka5 is the perfect choice.

### FEATURES & BENEFITS AT A GLANCE:



#### • Single case design

- The Eureka5 offers in case battery charging, either from the mains or a vehicle, which means it's always ready when you are
- Ruggedised and portable, the Eureka5 is designed for on-site use in challenging environments
- The Eureka5 provides high performance leak location even on plastic pipes



#### • Tablet software can also program Enigma loggers

- Sometimes pipe fittings are not easily accessible, or excessive noise interference exists during the day. In these situations, the Enigma correlating loggers can be programmed from the same tablet and deployed
- Off-line correlation can be carried out at any time including overnight, when the correlation is complete the results are analysed on Atrium and the leak location is marked on-site



#### • Easy to operate

- The Eureka5 software is intuitive in design and can be upgraded as new features are developed, future proofing your investment. It also has the ability to be upgraded remotely via Wi-Fi, 4G or 5G
- The interface utilises high contrast features so that operators can easily visualise key information regarding the test being performed, and the status of the water network
- The touch screen ensures easy operation involving the minimum actions to achieve results





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### VELOCITY CORRECTION FOR IMPROVED ACCURACY

The Eureka5 can increase the accuracy of the position of an identified leak, at the push of a button. The speed of sound in the pipe is a key variable in calculating a leak position. As pipes age, deteriorate or due to the variations in backfill, the speed of sound can deviate from standard values, inducing errors into calculations. By sampling an induced noise, the Eureka5 measures the speed of sound precisely, correcting for, and eliminating these errors.

### USE DEFINED FILTERS

The Eureka5 incorporates spectrum analysis enabling the user to see which frequencies are being heard at each sensor. A coherence function aids users in their filter section improving the ratio of leak noise to background noise sharpening the correlation. Default filters are auto selected based on pipe material.

### OVERVIEW OF FEATURES

- IP67 transmitter rating protection
- Hydrophones with BSP/NPT fittings for plastic and large diameter mains
- Vehicle mount aerial extending radio range
- Sensor extension cables for assets that are in a deep location
- Intuitive in design
- Lithium - ion battery management
- Ground microphone as future expansion on same device



For rapid notification of leaks in water networks, choose the Eureka5. Contact us for more info!

### SUITABLE APPLICATIONS

*Authorized Ovarro Partner:*



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