

AQUASCAN 610[®]

Leak Locating Correlator

Accessories

1. Hydrophone
2. Transmitting sensors
3. Correlator
4. Ground microphone
5. Vehicle charger
6. Carry case
7. 240 v AC adaptor
8. Bluetooth headphones
9. Antenna extension



The AquaScan 610 is highly accurate and extremely portable. It is designed to withstand daily use, rain or shine, in outdoor conditions.

System Configuration

- 1 Correlator with antenna and carry strap
- 2 Transmitting sensors with antenna, extension antenna cable and handle
- 1 12 V vehicle charge cable with 3 connectors for correlator and sensors
- 1 100-240V AC adapter
- 1 Correlator carry case
- 1 Operating manual
- 2 Year warranty

Optional Accessories

- 1 Bluetooth headphones
- 1 MMC Multimedia card to create MP3 files
- 1 Hydrophones (pair) for use on non-metallic pipes
- 1 AQUASCOPE ground microphone
- 1 AQUASCOPE hand-probe

Technical Specifications

Pipe material	All common pipe materials; mixed material mode
Sound velocity	Sound velocity table and on-site velocity check
Correlation resolution	16,000 points
Correlation accuracy	1 cm for 100 m (1" for 1,000 ft)
Display	High resolution LCD display with background illumination (12cm x 9cm / 4.7" x 3.6")
Filter	Automatically selected, manually infinitely adjustable
Frequency analysis	FFT, coherence and ASA (advanced spectrum analysis) simultaneous multi-correlation
Notch filter	User selectable
Frequency response	1-5000 Hz
Peak suppression	Unlimited, user selectable
Memory capacity	Up to 60 correlations with all measurements data to enable post-processing of correlation with changed parameters
Multimedia card	MMC for additional data storage and leak noise analysis within PC software
Sensors	Ultra compact high sensitivity piezo-ceramic sensors with built-in radio transmitter and magnetic fixing
Output	Bluetooth for headphone and data transfer to PC. Multi-purpose socket for battery charger, hydrophones, ground microphone and hand-probe
Power	Correlator and sensors: rechargeable 3.7V Lithium polymer battery
Battery charging	Vehicle or indoor
Battery charge life	Correlator: up to 12 hours; Sensors: Up to 8 hours
Dimensions	Correlator: 220mm x 140mm x 35mm (8.6" x 5.5" x 1.4") Transmitting sensors: Ø 61mm x 128 mm (Ø 2.4" x 5")
Weight	Correlator: 1.0 kg (2.2 lbs) Transmitting sensors: 0.8 kg (1.8 lbs)



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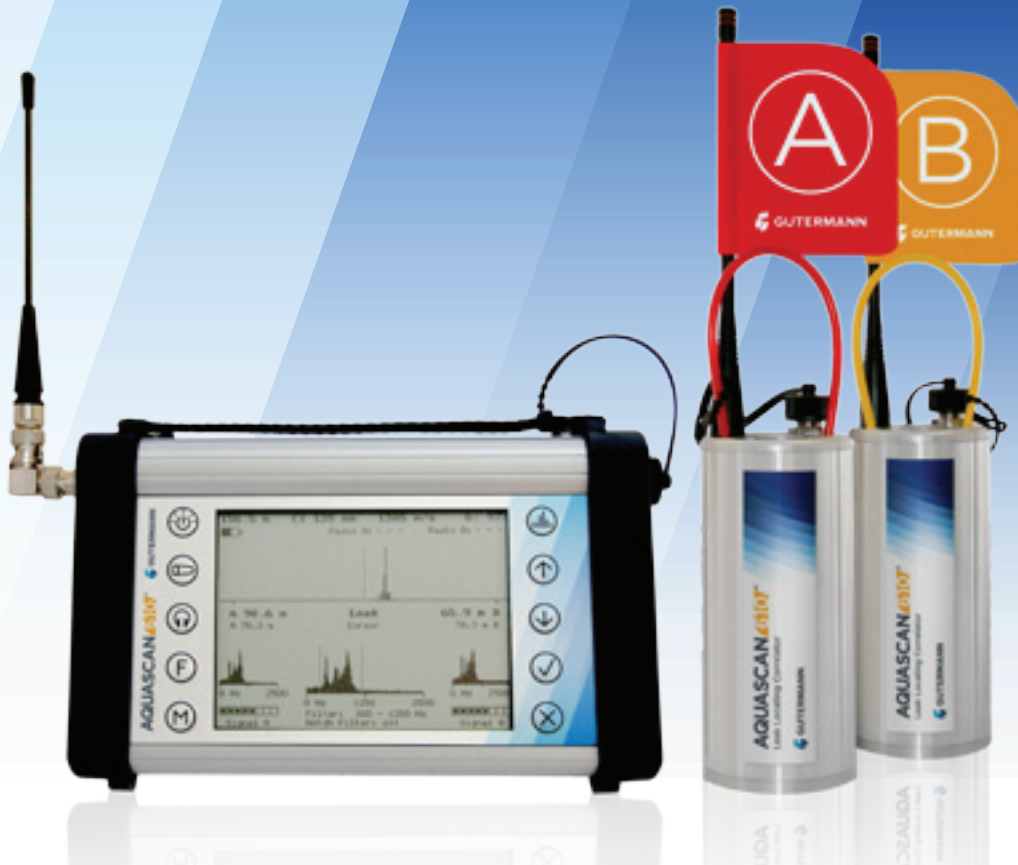
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AQUASCAN 610[®]

Leak Locating Correlator

The combination of high performance, elegant design, compact size and advanced features make this the most popular leak noise correlator available.



The AquaScan 610 is the world's first cordless leak noise correlator and provides highly accurate and error-free leak pinpointing.



No cables - no hassle or repairs

The world's only high-performance correlator combining the ultra-sensitive sensor and the radio transmitter into one single compact unit which can be used in underground chambers with lids closed. Bluetooth communication allows both direct leak listening with stereo headphones and data transfer to PC.



Metallic or plastic, big or small

Sophisticated frequency analysis and algorithms combined with extra-high sensitivity and rigorous hardware engineering enable the operator to identify and pinpoint leaks also in most difficult field conditions such as plastic pipes, low pressure situations and large diameters.



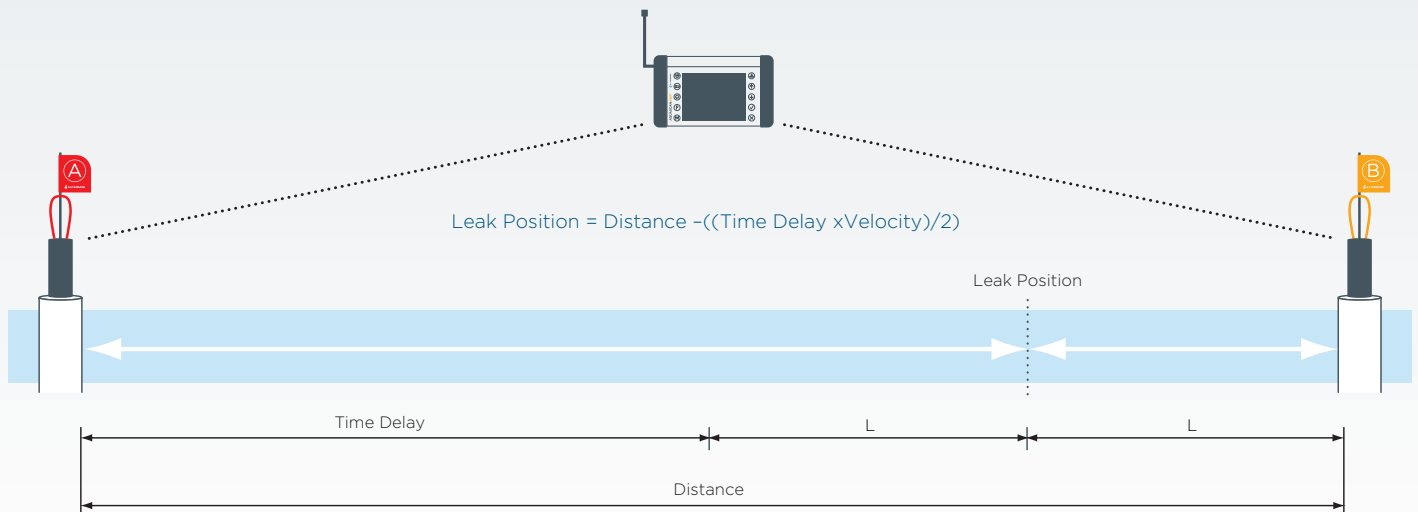
Highest pinpointing accuracy

High capacity processors and first-class firmware which was perfected through decades of experience in acoustic leak detection offer unmatched pinpointing precision of 1 cm per 100 metres pipe distance, resulting in increased operator performance and minimised excavation costs.



Easy error-free pinpointing

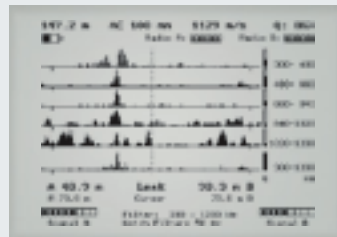
The unique quality assessment feature offers the operator a high level of confidence for the leak pinpointing results. The quality of each correlation is automatically verified and indicated on screen. For less experienced operators the special wizard mode provides a step by step on-screen guidance through the correlation process.





Advanced Spectrum Analysis

Run the unique Advanced Spectrum Analysis (ASA) feature - narrowing down the correlation process to the leak-specific frequency - to find unusually quiet leaks in noisy environments, in which conventional correlators often fail to produce reliable results.



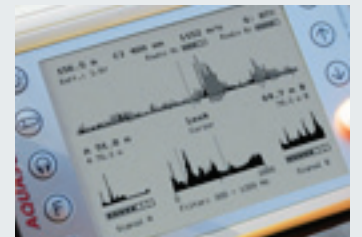
Simultaneous multi-correlation

"Multiple Filters" shows five correlations with different filter settings simultaneously enhancing the operator's ability to find difficult leaks quickly and easily.



2 in 1: Also converts into a ground mic

By connecting the correlator to a Gutermann AquaScope hand-probe (for spot sounding on pipes & fittings) or ground microphone (for surface verification), you can conveniently convert the AquaScan 610 into a high-performance listening device saving the need to carry around additional equipment.



Life-long firmware update - Free!

As owner of the AquaScan 610, you will always have access to the latest firmware updates for your device, as and when they become available. This way you ensure that you are always up to date with the latest technology that a high-performance correlator by Gutermann has to offer.

