GUTERMANN

MULTISCAN

Multi-Point Leak Correlator



MULTISCAN 2

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The quick route to the leak:

With up to ten correlation sensors, MULTISCAN allows highly sensitive acoustic correlation measurements of whole streets in one single work operation. The sensors can be programmed for a parallel measurement over a few minutes or overnight at low background noise. Along with the correlation measurement, a noise level measurement is automatically carried out, which gives an additional indication of the leak location. The sensors can be easily programmed and read via a radio interface. We are pleased to highlight the latest enhancements to our full stainless-steel housing, which remains unparalleled in its compact design.

This updated version now includes a field-replaceable battery, offering increased convenience for maintenance. Additionally, it continues to provide maximum protection against corrosion, ensuring long-term reliability in various environments.

To further enhance its durability, an integrated humidity sensor now monitors for any potential ingress following maintenance procedures. Moreover, a sophisticated 3D motion sensor has been incorporated to detect incorrect mounting or any unauthorized removal attempts.

Finally, the inclusion of a dedicated fuel gauge chip allows for precise measurement of battery discharge, providing valuable insights for proactive preventive maintenance.

Fully automatic filtering:

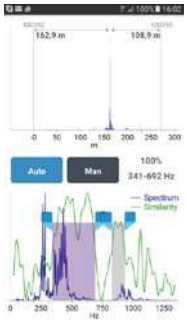
We're excited to share that our new electronic hardware incorporates improved algorithms and background noise filtering, leveraging MULTISCAN's unique "Auto Filter" technology. This enhancement also allows for the individual amplification of leak frequencies, resulting in clear correlation peaks, even when dealing with weak signals. The best possible correlation result is thus obtained automatically without the operator having to adjust the filter settings manually. Since every sensor is correlated with every other, there is a very high level of certainty in detecting leaks even for difficult pipe materials such as plastic. The measurement results confirm each other mutually and can be used to correct the sound velocity so that the leak location can be found even more accurately.

Simple touchscreen operation:

The updated MULTISCAN 2 App was designed for intuitive touchscreen operation on Android smartphones and tablets. In operation, the serial numbers of the sensors can be scanned via the smartphone's or tablet's camera, so that the results can later be displayed in a clear manner on a GPS-based map. The pipes can be easily mapped with the improved "Pipe Wizard", so that all correlations can be displayed accurately at their correct GPS positions on the map. The map offers a very good zoom facility and can be downloaded at no cost even for large areas so that it is available even without internet connection.

Central storage and analysis of measurement results:

Not only can MULTISCAN's measurement results be analysed directly on the tablet or smartphone, in the Pro version of MULTISCAN they can also be uploaded to the central Gutermann Cloud Server. This offers a convenient web browser interface, further analysis and report functions and automatic data back-up.





Technical specifications of MULTISCAN sensors:

- Housing: Full stainless steel with field replaceable battery
- Ingress protection: IP68
- Temperature range: -30˚C to +70˚C
- Dimensions: 107mm/4.2", Ø 40mm/1.6"
- Weight: 0.54 kg (1.2 lbs)
- Data transfer: 2 way radio and Bluetooth

Software:

- Gutermann EU Cloud and Android OS
- MULTISCAN App can be downloaded for free from Google Playstore

System Equipment:

- Usually sold in kits of 3 to 10 sensors
- 1 communication link
- 1 operating instructions
- 2 years guarantee

Optional Accessories:

- 1 hard carrying case



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