GAS LEAK DETECTION BY ACOUSTIC LEAK IMAGING (ALI METHOD)

Since the end of 2019, Autochim signed a distribution agreement with DISTRAN to develop its business in 21 African countries.

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DISTRAN SWITZERLAND

DESCRIPTION / TECHNOLOGY

The ultrasound camera Ultra Pro pinpoints and quantifies leaks of any type of gas in a fast, safe and reliable manner. Thanks to its integrated 124 microphones, Ultra Pro can locate the sources of ultrasounds emitted by gas (and vacuum) leaks from up to 50 meters.

When a sound wave hits the surface of the device, it reaches each individual microphone at a different time. From these small-time differences, the device reconstructs the position of the source (i.e. the leak).

This acoustic information is overlaid in real-time with an optical image, allowing the operator to "see" the leak. Moreover, Ultra Pro displays the estimated leak rate (in L/h) so the user can prioritize the maintenance and repair of leaks.

Real time visualization on integrated screen:

FEATURES

- ✓ Single hand-held device, 1.4kg

- ✓ Pinpoints leaks of any gas in real-time from a safe distance of up to 50 meters

- ✓ Estimates leak rate in real time (Liters/hour) to assess leak severity and define maintenance priorities

- ✓ Takes pictures and videos of detected leaks and voice notes to insert into the inspection report

- ✓ Integrated reporting system

APPLICATIONS

- ✓ People safety and process security

- ✓ Predictive maintenance of high-availability plants

- ✓ Urgent leak searches for critical assets

- ✓ Routine checks for toxic or explosive gases

- ✓ Inspections prior, during and after planned outages

- ✓ Cost-effective inspections of systems using atmospheric gases (compressed air, nitrogen, argon, methane, hydrogen, etc.)

If you want more information about DISTRAN technology,

Please don't hesitate to contact them: **hello[@]distran.ch**

And visit their website: **https://distran.swiss/**

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