

# Gasera Launches Disruptive Gas Analyzer to Protect Humans from Serious Health Effects

*Formaldehyde can cause acute health problems. With the new portable product, GASERA ONE FORMALDEHYDE, indoor and outdoor background levels can now be measured.*

REDMOND, WASHINGTON, USA, February 24, 2017 /EINPresswire.com/ -- Formaldehyde is a colorless gas with a pungent odor. Formaldehyde levels above 0.1 ppm can cause acute health problems, e.g. sore throat, skin irritation, nausea, scratchy eyes and cough. It is also classified as highly carcinogenic compound. Exposure to moderate amounts of formaldehyde has been linked to cancer, such as leukemia. However, the full effects of exposure to small amounts of formaldehyde are still unknown.

We are exposed to formaldehyde everyday. Formaldehyde can be found in both small and significant concentrations in various environments. Industrial emissions, traffic, building materials, cooking, and tobacco smoking are sources of formaldehyde. Also many everyday products, such as cosmetics, furniture, and detergents contain formaldehyde. High levels of formaldehyde are often found in new homes or homes with new construction. Formaldehyde is a significant emission from biofuel usage, which is increasing. It is expected that biofuel combustion will have a significant effect on increasing formaldehyde levels, especially in urban areas.

“

A significant advantage ... is the intuitive interface, which is easy to use with a single knob or via your smart device.”

*Dr. Ismo Kauppinen*



Gasera One Formaldehyde Analyzer



Some people are more sensitive to formaldehyde than others. "Formaldehyde exposure is a special concern for children, elderly, and people with breathing problems, such as asthmatics. Children may become sensitive to formaldehyde more easily than adults. Elderly people are usually less tolerant to high formaldehyde exposures, leading to greater risk of becoming sick. Formaldehyde exposure may precipitate asthmatic attacks," says Gasera's CEO, Ismo Kauppinen.

Until today, formaldehyde has been difficult to monitor with existing technologies. Now Gasera Ltd., a Finnish high-tech company, launches a disruptive analyzer, which is based on the proven technology of the [GASERA ONE](#) platform. It offers for the first time an affordable and easy-to-use tool for continuously monitoring the background levels of formaldehyde. GASERA ONE FORMALDEHYDE analyzer can achieve below 1 ppb detection limit, which is well below the 16 ppb recommendation for occupational exposure limit by The National Institute for Occupational Safety and Health (NIOSH) in the USA.

By solving this global and increasing measurement problem GASERA ONE FORMALDEHYDE has huge market potential, according to Kauppinen.

"A significant advantage of the product is the intuitive interface, which is easy to use with a single knob or via your smart device. Thanks to its patented photoacoustic detection scheme combined with a quantum cascade laser source, it gives an exceptionally high level of stability with a re-calibration period ranging from several months up to several years, and thus it offers a low total cost of ownership," says Kauppinen.

For further product details, please contact: Dr. Ismo Kauppinen, CEO, Gasera Ltd. [ismo.kauppinen@gasera.fi](mailto:ismo.kauppinen@gasera.fi). Be sure to visit Gasera in Chicago at [Pittcon](#), March 5-9, Booth #4652.

Gasera products can be obtained in the United States through [Flash Photonics](#), Inc. Contact Flash Photonics via [sales@flash-photonics.com](mailto:sales@flash-photonics.com) or 1-888-796-9010.

Steve Buckley  
Flash Photonics, Inc.  
425-296-4765  
email us here

---

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases.

© 1995-2017 IPD Group, Inc. All Right Reserved.