

# FIXED ULTRASONIC GAS LEAK DETECTORS TRAINING COURSE



## Why the need for a training course?

Ultrasonic gas leak detectors are being used by most major operators in the oil/gas industry for offshore/ onshore installations worldwide. The ultrasonic technology has been available for more than ten years but still it is a relatively new way of detecting gas leaks in the petrochemical industry. To build awareness about the ultrasonic gas leak detection technology and the use and operation of the detectors, Gassonic A/S hereby invites to a one-day training course. The aim of the course is to ensure that everybody involved with and operating ultrasonic gas leak detectors will have full knowledge about how to install, set-up, operate and maintain Gassonic ultrasonic gas leak detectors. This will ensure optimal safety and diminish time spent on service issues and frustration due to misconceptions.

**Duration of course:** One day

**Location:** Course is held at Gassonic in Denmark where there are practical facilities available, for groups up to 15 persons. With special arrangements or for big groups the course can be held at the customer's premises.

**Recommended for:** All instrumentation engineers, safety engineers, plant operators and supervisors.

**Course overview:** The aim of this course is to give the participants an understanding of the Ultrasonic gas leak detection technology and an in-depth, hands-on training on the Gassonic ultrasonic gas leak detectors. This will include the wiring, setting up, calibration and maintenance of these detectors.

**Price:** Per person at Gassonic: 500 EUR (including lunch)  
One day at customer for group of people: 1.000 EUR (excluding travel expenses)

G A S L E A K D E T E C T I O N A T T H E S P E E D O F S O U N D



# COURSE CONTENT

## Introduction to and background on the company Gassonic

## Ultrasonic gas leak detection (UGLD) versus traditional gas detection methods

- Understanding of detecting gas as a flow-rate (kg/s) and not lower explosion level (LEL)
- The speed of UGLD and case studies

## Gassonic Detectors

- Intrinsically Safe and Flameproof Units

## Theoretical and practical training on relevant Gassonic detectors (detectors used by customer)

- Features of the detector (including in-depth study of the Acoustic Self-Test feature)
- Structural properties
- Wiring to fire and gas system
- The user interface and settings
- Routine tests and maintenance
- Calibration (where applicable)

## For more information please contact:

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## Gassonic 1701 - Portable test and calibration unit

- Application of the Gassonic 1701
- Testing of the detectors
- Calibration of the Gassonic detectors
- Maintenance

## On-site ultrasonic background noise mapping and detector allocation

- How does Gassonic determine the ultrasonic background noise?
- How does Gassonic determine the number and location of the detectors?

## Commissioning of UGLD systems

- Commissioning using a Gassonic 1701
- Commissioning and coverage verification with accurate Nitrogen leak simulation



# REGISTRATION FORM

Please send form by fax or e-mail to:  
Gassonic A/S  
Tel. +45 44700 910  
Fax +45 44700 911  
mail@gassonic.com  
www.gassonic.com

Registration for attending seminar about fixed Ultrasonic Gas Leak Detection

Name 1 \_\_\_\_\_

Name 2 \_\_\_\_\_

Name 3 \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Country \_\_\_\_\_

Tel./fax \_\_\_\_\_ / \_\_\_\_\_

E-mail \_\_\_\_\_