

# LOKTRACE

FIND THE LEAK!



**STRICTER LAWS!**

Avoid fines of up to 50,000 euros.



# LOKTRACE – THE LEAK DETECTION SYSTEM

LEGALLY COMPLIANT, RELIABLE AND CLIMATE-NEUTRAL!

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# TRACE GAS LEAK DETECTION – THE BEST SOLUTION

## MEETING ALL DEMANDS

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The leak detection system, originally developed for industrial applications, has been perfectly adapted for use in service, and guarantees legally compliant, fast, reliable and easy leak detection.

➔ **FINDS EVEN THE TINIEST LEAKS**  
< 1 g/year

➔ **NO CROSS SENSITIVITIES**  
no false alarm possible through external gases

➔ **FINDS EVERY LEAK**  
even through screed and foam

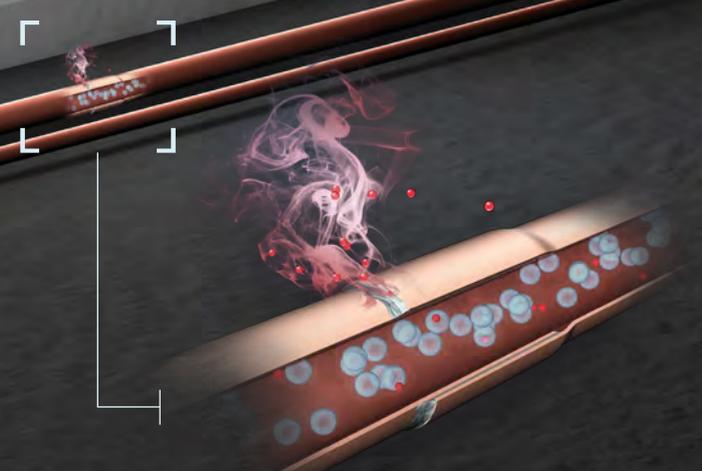
➔ **CAN BE CARRIED OUT IMMEDIATELY**  
quickly, precisely and economically

➔ **ABSOLUTELY STANDARD-CONFORM**  
conform with EN 35 422 and EN 14 624

➔ **FOR EVERY REFRIGERANT**  
suitable for every system

LOKTRACE gas, which is a mixture of nitrogen and hydrogen, is filled into the air-conditioning system for leak detection. LOKTRACE gas is non flammable, non-toxic, non-corrosive and not harmful to the environment. The hydrogen is used as the trace gas. Hydrogen molecules are the smallest naturally occurring particles and escape from

minimum leaks, even through floor screed and foaming materials. Due to its low viscosity and therefore high propagation speed the gas reaches the leak very fast and escapes even through the minimum hole. Since hydrogen is lighter than air, the hydrogen molecules rise and the pipes can easily be checked from above.



### THE PERFECT SOLUTION – H2 LOKTRACE GAS

- ➔ The smallest of all molecules
- ➔ 14 times lighter than air
- ➔ Non-combustible, non-toxic, colourless and odourless
- ➔ Suitable for pressure test
- ➔ Climate-neutral and inexpensive

**CONCLUSION:** H2 Loktrace gas finds every single leak!

# LOKTRACER

## A NEW GENERATION OF LEAK DETECTORS

With the help of the LOKTRACER TLD.500 and or LOKTRACER TLD.1000 the tiniest leaks can be detected. The LOKTRACER, with its special sensor system has been perfectly adapted to use in service and guarantees fast, reliable and easy leak detection. Both LOKTRACER detect only H2 therefore the leak detection is absolutely reliable.

LOKTRACE is the first method that meets all the requirements on a leak detection system and transforms the leak detection “guessing game” into a process that guarantees results.

With the LOKRING tube connection technology the leak can be repaired on site. No down time of the application due to pressure tests. A major advantage compared to conventional methods. The refrigeration and air-conditionings system can be quickly put into operation again.

## LOKTRACE COMPARED TO CONVENTIONAL LEAK DETECTION METHODS

	Detecting smaller leaks < 1g/year	Compliance with legal regulations	Reliability	Direct implementation
<b>LOKTRACE – System</b>	✓	✓	✓	✓
UV dye	X	X	✓	X
Electronic refrigerant leak detectors	X	X	X	✓
Vacuum test	X	X	✓	✓
Nitrogen and bubble spray	X	✓	✓	✓

LOKTRACER TLD.1000

LOKTRACER TLD.500



# STRICTER LAWS! HAVE YOU HEARD?

(EG) 303/2008 (EG) 2037/2000  
CHEMKLIMASCHUTZ-V  
DIN EN 378 (EG) NR. 842/2006  
CHEMOZONSCHICHT-V

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Globally, legislation has become stricter.  
This makes higher demands on companies, qualified  
personnel and technical equipment.

It affects installation and service on refrigeration  
and air-conditioning systems, which lose  
refrigerants containing hydrofluorocarbons  
(HFCs).

Service technicians who violate these  
regulations now face fines of up to  
50,000 euros or local equivalent.



### LOKTOOL: LOKTRACER TLD.500 | Trace gas leak detector



#### LOKTOOL Trace gas leak detector

- ⊕ Integrated LED torch
- ⊕ Acoustic and optical alarm
- ⊕ Manual suppression of background contamination
- ⊕ Automatic zero setting
- ⊕ Automatic self-regulation of the sensor
- ⊕ Without pumps or filters thanks to diffusion technology

Article no.	Article name	Description
L13005099	LOKTRACER TLD.500	Trace gas leak detector

#### Technical data

Time until ready to operate	< 90 sec
Reaction time	1 to 2 sec
Power supply	Rechargeable batteries

### LOKTOOL: LOKTRACER TLD.1000 | Trace gas leak detector



#### LOKTOOL Trace gas leak detector

- ⊕ Sturdy aluminium housing and illuminated LCD display
- ⊕ Fast and safe leak detection using the search mode
- ⊕ No cross-sensitivities to the usual external substances
- ⊕ Concentration adaptation through zero setting
- ⊕ Automatic self-regulation of the sensor
- ⊕ PPM measurement of the leak rate in analysis mode
- ⊕ Acoustic and optical alarm

Article no.	Article name	Description
L13005244	LOKTRACER TLD.1000	Trace gas leak detector

#### Technical data

Time until ready to operate	< 60 sec
Reaction time	< 1 sec
Power supply	Rechargeable batteries

### LOKBOX: TG-HVAC/AUTO x SET | Trace gas leak detection set



#### LOKBOX Trace gas leak detection set

This set contains all you need for leak detection using trace gas, protected in a sturdy plastic case.

#### Scope of supply

- ⊕ Trace gas leak detector
- ⊕ Pressure reducer
- ⊕ Manifold gauge
- ⊕ Service hoses
- ⊕ Plastic case

Article no.	Article name	Description
L13005038	LOKBOX TG-HVAC-500	HVAC set with TLD.500
L13004643	LOKBOX TG-HVAC-1000	HVAC set with TLD.1000
L13005139	LOKBOX TG-AUTO-500	AUTO set with TLD.500
L13005185	LOKBOX TG-AUTO-1000	AUTO set with TLD.1000