

LOKTRACE^{✱✱}

TRACE GAS LEAK DETECTION



STRICTER LAWS!
Avoid unnecessary fines.



STRICTER LAWS HAVE YOU HEARD?

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 may face large fines.



LOKTRACE – THE LEAK DETECTION SYSTEM

LEGALLY COMPLIANT, RELIABLE AND CLIMATE-NEUTRAL!



TRACE GAS LEAK DETECTION – THE BEST SOLUTION

MEETING ALL DEMANDS

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, insulation 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, insulation, 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, most volatile and fastest of all gases
- ➔ 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!

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. Leaks are identified in search mode and the leak rate is measurable through a digital display in analysis mode. 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

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

LOKTRACER TLD.1000



LOKTRACER TLD.500





LOKRING: connecting worldwide



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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-DMSTC/HVAC x SET | Trace gas leak detection set



LOKBOX Trace gas leak detection set

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

Scope of supply

- ⊕ Trace gas leak detector
- ⊕ Pressure reducer
- ⊕ Manifold gauge
- ⊕ Trace gas cylinder 2l
- ⊕ Service hoses
- ⊕ Plastic case

Article no.	Article name	Description
L13005039	LOKBOX TG-DMSTC-500 Set*	Trace gas leak detector set
L13005038	LOKBOX TG-HVAC-500 Set*	Trace gas leak detector set
L13005040	LOKBOX TG-DMSTC-500-2l Set	Trace gas leak detector set
L13005043	LOKBOX TG-DMSTC-1000 Set*	Trace gas leak detector set
L13005044	LOKBOX TG-DMSTC-1000-2l Set	Trace gas leak detector set
L13004643	LOKBOX TG-HVAC-1000 Set*	Trace gas leak detector set
L13005125	LOKBOX TG-HVAC-1000-2l Set	Trace gas leak detector set

* The Set is not equipped with a tracer gas cylinder.