



**LEAKSHOOTER**  
Ultimate leak detection

[www.synergys-technologies.com](http://www.synergys-technologies.com)

- [www.leakshooters.com](http://www.leakshooters.com) -

# LKS1000-V.2

LEAKSHOOTER | LKS1000-V.2

## ULTRASONIC COMPRESSED AIR, GAZ AND VACUUM LEAK DETECTOR WITH CAMERA.

Compressed air is a costly form of energy and 20 to 40% of it is lost through leaks.

Systematically checking for and eliminating leaks can therefore bring considerable energy savings.

Film, view and photograph the precise spot where compressed air, steam, pressurised gas and vacuums are leaking using the LEAKSHOOTER LKS1000-V.2.

The LEAKSHOOTER LKS1000-V.2 is a sophisticated tool. Extremely sensitive, it is capable of finding all leaks, even the smallest, including those no bigger than the size of a syringe needle, at a distance of 15 metres. Leaks can be detected in all types of industrial environment thanks to the possibility of adjusting the gain on the device to filter out all undesirable noise.

The LEAKSHOOTER LKS1000-V.2 is used like a camera. When it comes near a leak, a dynamic yellow target appears on the large colour screen. The target turns red and shrinks as it approaches the source of the leak. A bar graph at the bottom of the screen accompanies and facilitates the search.

When the device is facing the leak, a cross appears in the centre of the target. It is then possible to photograph and save the precise location of the leak.

GREEN | NO LEAKS

YELLOW | NEAR THE LEAK

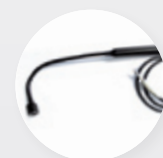
RED | IN FRONT OF THE LEAK

Each photo is numbered, dated and timed and shows the dB RMS level of the leak.

The photos can be uploaded directly onto a PC via a USB cable (supplied), ready to be attached to inspection reports.

It is still possible, whilst visually searching for a leak, to use the traditional method of leak detection, listening for the hissing sound of the leak using the professional headphones also supplied, which can be plugged directly into the device.

Various accessories are available for the LEAKSHOOTER LKS1000-V.2 enabling it to be used for other applications as well as leak detection.



**Detection in hard to reach areas with sensor :**

LKS FLEX Flexible probe 400mm long  
LKS FLEX1500 Flexible probe 1500mm long



**For Steam trap control :**  
LKSPROBE Mechanical US Sensor



**Tightness and sealing control :**  
LKSDOME Ultrasonic emitter with 13 emitters



**Carrying bag :**  
LKSCOVER Holster



## APPLICATIONS



COMPRESSED AIR LEAK



STEAM TRAPS



HIGH VOLTAGE LINES



BEARING CONTROL



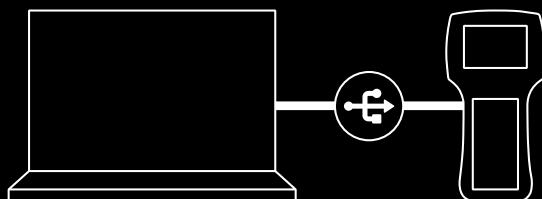
TIGHTNESS AND SEALING CONTROL



## WITH LEAKSHOOTER LKS1000

V.2

- › Improved quality of pictures !
- › It is now possible to upload your data directly with a USB cable connected to a PC !



Flexible 400 mm US Sensor  
Réf. LKSFLEX  
+ Flexible 1500 mm US Sensor  
Réf. LKSFLEX1500



Mechanical US sensor (steam trap - bearing)  
Réf. LKSPROBE



Ultrasonic emitter  
Réf. LKSDOME



Holster  
Réf. LKSCOVER

SPECIFICATIONS LKS1000-V.2	
Sensitivity	Detects a leak of 0,1 mm at 3 bars at 20 m
Camera	Colour 640 x 480 pixels
Display	LCD colour 3,5» 320 x 240 pixels
Pictures	BMP, number, date and time
Dynamic target	Red square with cross on strong leak Yellow square with cross on light leak
Measurements	dB RMS and MAX
Memory	Up to 1000 pictures, can be uploaded to PC
Communication	USB cable supplied
US sensor	Open type - Bandwidth $\pm 2$ kHz to - 6 dB - Central frequency 40 kHz $\pm 1$ kHz - Adjustable frequency mixer from 34 to 46 kHz - Adjustable gain from 50 to 110 dB
Headphones	Adjustable volume from 0 to 10
Power supply	Lithium-ion rechargeable battery
Autonomy	6 hours
Temperature range	- 10°C to + 50°C
Dimensions	H : 230 mm - W : 100 mm - D : 70 mm
Weight	580 gr for the LKS1000 3,9 kg including metallic case
CE Standards	CEM 2004/108/CE : EN61000-6-4 & EN61000-6-2
Accessories	<ul style="list-style-type: none"> <li>• Ultrasonic emitter Réf. LKSDOME</li> <li>• Flexible 400 mm US Sensor Réf. LKSFLEX</li> <li>• Flexible 1500 mm US Sensor Réf. LKSFLEX1500</li> <li>• Mechanical US sensor (steam trap - bearing) Réf. LKSPROBE</li> <li>• Holster Réf. LKSCOVER</li> </ul>

## SYNERGYS TECHNOLOGIES

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LEAKSHOOTER a Synergys Technologies innovation

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