LEAKSHOOTER® LKS1000-V2+IR

LEAKSHOOTER®
LEAK DETECTION CAMERA

WITH INFRARED CAMERA

LEAK**SHOOTER**®
LKS1000-**V2T✛IR**

Ultrasonic compressed air, gas and vacuum leak detection camera and thermal imager (IR).

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 LEAK**SHOOTER**® LKS1000-**V2T✛IR**.

The LEAK**SHOOTER**® LKS1000-**V2T✛IR** 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 20 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 LEAK**SHOOTER**® LKS1000-**V2T✛IR** is used like a camera. When it comes near a leak, a dynamic white target appears on the large colour screen. The target 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 around the centre of the target. It is then possible to photograph and save the precise location of the leak.

APPROXIMATE SEVERITY OF
LEAK & FLOW & COST
(0-10)   (m³/h)   (€, $, £)

- VERY SMALL
- SMALL
- MEDIUM
- BIG
- VERY BIG

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.

Embedded thermal IR camera (-10°C > +400°C) for T° analysis with Min.-Max.-Center cursors in full screen.

Various accessories are available for the LEAK**SHOOTER**® LKS1000-**V2T✛IR** enabling it to be used for other applications as well as leak detection.

LEAK**SHOOTER**® LKS1000-**V2**❂**IR**

INT 66 dB

8.46 m3/h
1438 €

89 %

dB
57.8   67
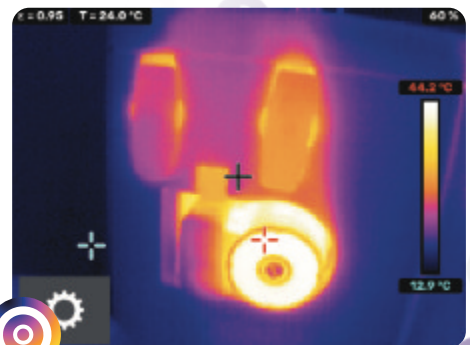
Thermal Camera
(160 x 120 pixels)
Min. - Max. - Central cursors
3 colors palettes

LEAKREPORTEDITOR
for report edition option
Available in different languages.

LASERKIT option
Autonomous laser kit
+ support for LEAKSHOOTER

Photos (Leaks - Thermal)
CSV data file for reporting

| COMPRESSED AIR LEAK DETECTION | COMPRESSED AIR LEAK DETECTION | STEAM TRAP INSPECTION | CORONA, PARTIAL DISCHARGE DETECTION | VACUUM LEAK DETECTION |

SPECIFICATIONS LKS1000-**V2T+IR**

Sensitivity	Detects a leak of 0.1 mm at 3 bars at 20 m
Camera	Color 640 x 480 pixels + LED lighting
Thermal camera	FLIR LEPTON 160 x 120 px (14°F to +752°F) or (-10°C to +400°C), adjustable emissivity ε, sensitivity < 50 mK, frame rate 9 Hz
Display	Capacitive touchscreen - LCD Color 5,7" 640 x 480 pixels
Pictures	BMP, number, name, date and time
Dynamic target	White circle for leak detection Colored circle with cross for the leak severity
Measurements	dB RMS and MAX RMS & T° (°C or °F) - Min. - Max. - Center
Memory	Up to 1000 pictures, can be uploaded to PC (leaks and thermal)
Data export	CSV file with all leaks data for report editing
Communication	USB cable supplied
US sensor	Open type - Bandwidth ± 2 kHz to - 6 dB - Central frequency 40 kHz ± 1 kHz - Adjustable frequency mixer from 30 to 50 kHz - Adjustable gain from 40 to 106 dB
Headphones	Adjustable volume - Wired headphone LKSEAR
Power supply	Rechargeable Li-Ion battery
Autonomy	> 5 hours
Temperature range	- 10°C to + 50°C **or (14°F to 122°F)**
Dimensions	H : 310 mm - W : 165 mm - D : 65 mm
Weight	700 gr for the LKS1000 - 3.8 kg **(8.4 lbs)** including ABS case
CE Standards	CE Standards : EMC 2014/30/UE : EN61000-6-4 & EN61000-6-2
Accessories	Ultrasonic emitter Reference : LKSDOME Flexible 400 mm US Sensor Reference : LKSFLEX Flexible 1500 mm US Sensor Reference : LKSFLEX1500 Mechanical US sensor (steam trap - bearing) Reference : LKSPROBE Autonomous laser kit + support for LEAKSHOOTER. Option. Reference : LASERKIT LEAKREPORTEDITOR for report edition option. Available in different languages. Reference : LEAKREPORTEDITOR

SYNERGYS TECHNOLOGIES

Distributed by :

Z-CHECK CORPORATION

35560 Grand River Ave, #420
Farmington Hills, MI 48335
P: 248-676-1007 / E: sales@z-checkcorp.com
Website: www.z-checkcorp.com