Be smart. **Measure it.**

S530

Ultrasonic Leak Detector

Eco Version

EASY TO USE
Find leaks in minutes

LASER POINTER
To spot the leak

COMPACT DESIGN
Can be used anywhere

NOISE ISOLATED HEADSET
Inaudible signals easily to be heard

LONG BATTERY LIFE

Operation Principle

When gases are leaking through tubes and tanks, an ultrasonic sound is produced which can be detected by the S530 even from several meters away. The S530 transforms these inaudible signals into a frequency which can be easily heard by using the supplied noise isolated headset.

The integrated laser pointer helps to spot the leak from distance. In unpressurized systems, an ultrasonic tone generator can be used whose sound will leak through small openings.

Save Your Time and Costs

Leaks in compressed air systems can significantly increase the cost of compressed air.

The detection of leaks is an important maintenance requirement, which can be done by soapy water or in a more convenient way with ultrasonic leak detectors like S530.

The S530 Leak Detector is providing an easy-to-use and cost-efficient solution to detect leaks in compressed air and gas systems.

Easy to use

Applications

- Leak detection in compressed air, refrigerants, simply of any gas!
- Insulation test of doors and windows

Leak Detection

Point with the laser at an assumed leak. The display will show the level of the leak.

Detection at medium distance for locating the leakage area.

Scan with the focus tube and focus tip the roughly location till the exact location is found.

Technical Data

Measurement

Flow	
Sensor	Ultrasonic leak detection sensor
Laser	640 ... 660 nm wavelength 0.4 ... 0.5 mW output power
Supply	
Power supply	Internal NiMH rechargeable battery
Operating time	6h
Headset	
Headset	Noise isolated head set
Headset connection	3.5 mm stereo phone jack

General data

Display	
Integrated	3 colour black-mask LCD, 10 level
Material	
Housing	PC + ABS
Miscellaneous	
Protection class	IP30
Approvals	CE
Weight	2.5 kg for the full set
Operating conditions	
Medium	Compressed Air, refrigerants and any compressed gases
Ambient temperature	0 ... +40 °C
Ambient humidity	< 90 % rH
Storage temperature	-10 ... +50 °C
Transport temperature	-20 ... +50 °C

Cost Saving

Compressed air is one of the most expensive energy forms. In Germany alone, 60,000 pneumatic systems consume 14,000,000,000 kWh electricity every year. 15 % to 20 % of this could easily be saved (Peter Radgen, Fraunhofer Institute, Karlsruhe). A large portion of these costs are caused by leaks In compressed air systems, allowing the air to "escape" unused.

Calculation example at 0.6 MPa:

1 hole of 1mm diameter = 270 EUR/year

Option

Ultrasonic tone generator to be used in pressure less systems. The generator emits ultrasonic waves which can be detected by the S530.

Ordering

Please use the following tables to assist in placing your order with our sales staff.

S530 Ultrasonic Leak Detector

Order No.	Description
P601 0103	S530 Ultrasonic Leak Detector set
	Including:
P560 0102	S530 Ultrasonic Leak Detector
S605 0001	Sensor unit
A554 0114	Noise isolated headset
A530 0101	Focus tube and focus tip
A554 0001	Battery charger
A554 0101	Transport case S530

Accessories

Order No.	Description
A554 0103	Ultrasonic tone generator

Contents of Set