

S530

Leak Detector for Pneumatic Systems



EASY TO USE

Find leaks in minutes



Find possible leaks — **save costs of running compressors**



S530 FEATURES



EASY TO USE

Find leaks in
minutes



NOISE ISOLATED HEADSET

Inaudible signals
easily to be heard

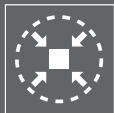


LASER POINTER

To spot the leak



LONG BATTERY LIFE



COMPACT DESIGN

Can be used
anywhere

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.

S530 APPLICATIONS

- Leak detection in compressed air, refrigerants, simply of any gas!
- Insulation test of doors and windows
- Detection of partial electrical discharges causing damages on insulations

S530 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.



Contents of Set



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

S530 ORDERING

S530 Leak Detector	
Order No.	Description
P601 0103	S530 Leak Detector set consisting of:
P560 0102	S530 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
Additional accessories not included in the set:	
A554 0103	Ultrasonic tone generator

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



Ultrasonic Leak Detector S530



Leak detection with focus tube



Leak detection from distance with the integrated laser pointer

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