

S 530 LEAK DETECTOR FOR PNEUMATIC SYSTEMS



Leak in compressed air systems can cause thousands of Euro losses. The detection of leaks is an important maintenance requirement which traditionally can be done by soap water, but now by an US detector like S 530.

Features

When gases are leaking through tubes and tanks an ultrasonic sound is produced which can be detected by S 530 even from several meter distance. S 530 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.



Leak detection with separated sensor



Leak detection with focus tube



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

Leak detection with focus tip



Ultrasonic Leak Detector S 530



Cost saving

Compressed air is one of the most expensive energy forms. Only in Germany 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. The air "escapes" unused.

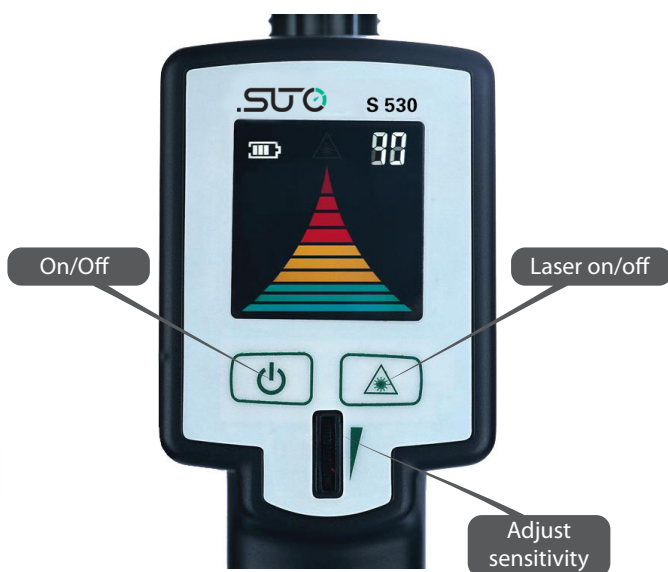
Calculation example at 0.6 MPa:

1 hole of 1mm diameter = 270 EUR/year

Contents of Set



Ultrasonic tone generator



Order no.	Description
P601 0103	S 530 Leak Detector set consisting of:
P560 0102	S 530 Leak Detector
S605 0001	Sensor unit
A554 0102	Noise isolated headset
A530 0101	Focus tube and focus tip
A553 0101	Cable to detach sound probe from instrument
A554 0001	Battery charger
A554 0101	Transport case S 530
Additional accessories not included in set:	
A554 0103	Ultrasonic Tone Generator