

# 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
<b>P601 0103</b>	<b>S530 Leak Detector set consisting of:</b>
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
<b>Additional accessories not included in the set:</b>	
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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[www.suto-itec.com](http://www.suto-itec.com)  
[sales@suto-itec.com](mailto:sales@suto-itec.com)



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EUROPEAN OFFICE	CHINA OFFICE	ASIA / PACIFIC OFFICE
<p>SUTO iTEC GmbH Grilzheimer Weg 21 79423 Heitersheim Germany Tel: +49 (0) 7634 504 88-00 Fax: +49 (0) 7634 504 88-19 Email: sales@suto-itec.com</p>	<p>SUTO iTEC (China) Co. Ltd D3 Building, Unit A, 11/F, TCL International E City 1001 Zhongshanyuan Road, Nanshan Shenzhen, China Tel: +86 (0) 755 8619 3164 Fax: +86 (0) 755 8619 3165 Email: sales.cn@suto-itec.asia</p>	<p>SUTO iTEC (ASIA) Co. Limited Room 10, 6/F, Block B, Cambridge Plaza 188 San Wan Road, Sheung Shui, N.T. Hong Kong Tel: +852 2328 9782 Fax: +852 2671 3863 Email: sales@suto-itec.asia</p>