



ENERGY SAVING WITH COMPRESSED AIR PRODUCTION BY LEAKAGE DETECTION



IPF ELECTRONIC

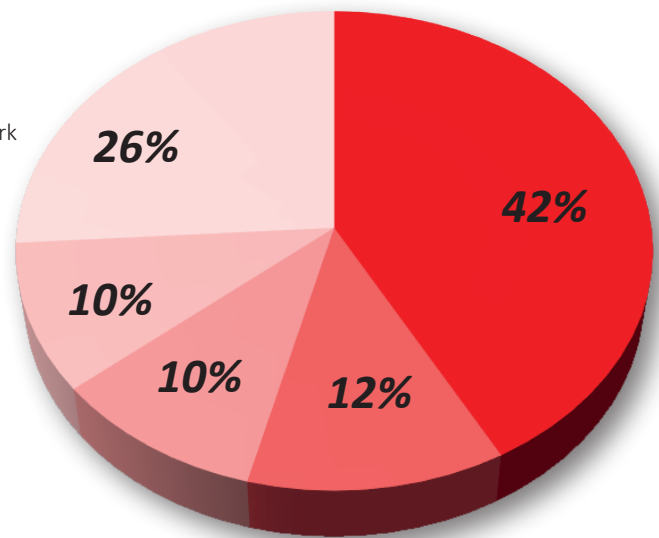
ENERGY SAVING MEASURES IN THE FIELD OF COMPRESSED AIR PRODUCTION

Saving potentials

- Detection and elimination of leakages
- Design of the pneumatic system incl. multi-pressure pipeline network
- Heat recovery
- Compressors with variable engine rotation speed
- Other measures

By locating and eliminating leaks, up to 42% of the total saving potentials in compressed air systems can be used.

With the **UY98E266** case set, you receive the leakage detector and the necessary accessories to easily find leaks. With the device you can document the leak size and get a direct overview of the possible saving potentials.



Cost per year

Leakage size - diameter (mm)

Pressure	0.5	1.0	1.5	2.0	2.5	3.0
3 bar	90 €	361 €	812 €	1,444 €	2,256 €	3,248 €
4 bar	113 €	451 €	1,015 €	1,805 €	2,820 €	4,061 €
5 bar	135 €	541 €	1,218 €	2,166 €	3,384 €	4,873 €
6 bar	158 €	632 €	1,421 €	2,527 €	3,948 €	5,685 €
7 bar	180 €	722 €	1,625 €	2,888 €	4,512 €	6,497 €
8 bar	203 €	812 €	1,827 €	3,248 €	5,076 €	7,309 €

Basis 1.9ct/Nm³, during operation 24h/365 days

The soundproof headphones make leak detection possible even in extremely loud environments (production conditions), as ambient noise is suppressed.

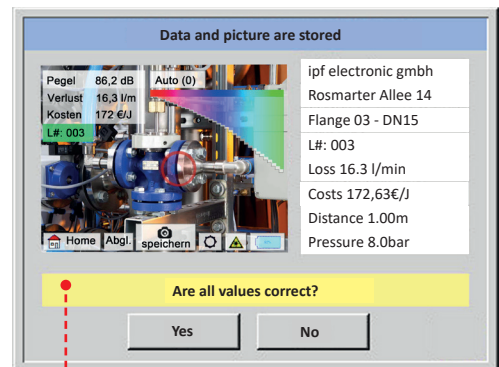
When compressed air / gas escapes, a non-audible ultrasonic signal is generated. The leakage detector converts this ultrasound into an audible signal. The integrated laser pointer enables a precise optical orientation.

The leak is shown on the internal display and can be documented by image recording.

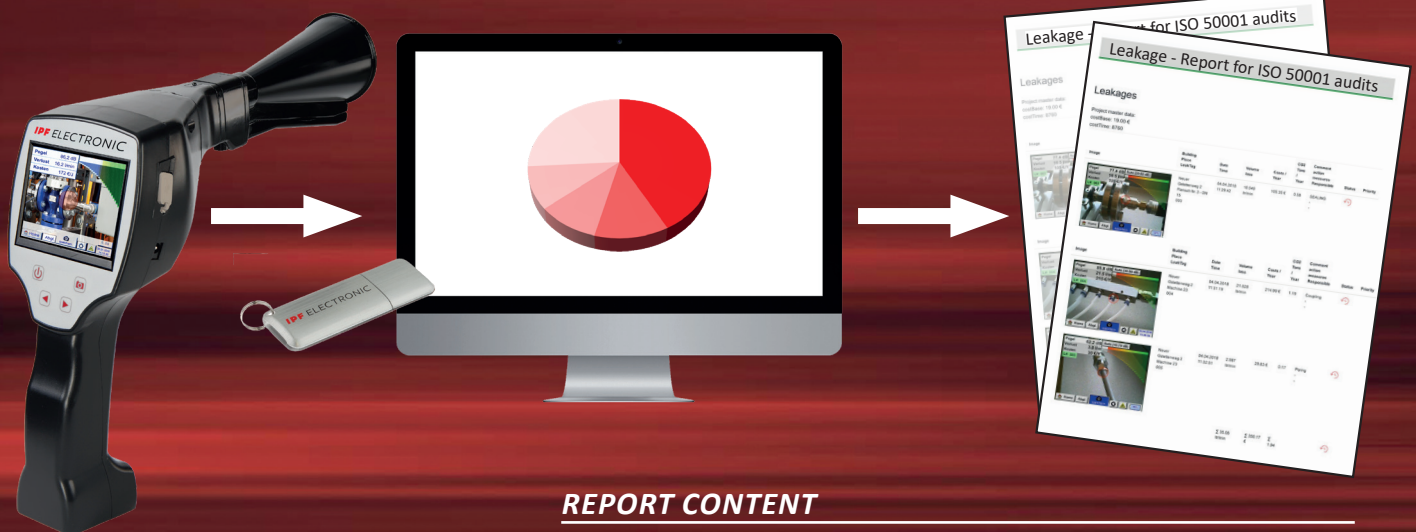


ADVANTAGES AND HIGHLIGHTS

- / Leak detection on compressed air, gas, steam and vacuum systems, steam traps, seals, connections etc.
- / Leakage determination (L/min) and saving potentials (€/year)
- / During ongoing production:
Disturbances are faded out, sensitivity automatically adjusted
- / Detection of the smallest defects even at great distances (from 0.1L/min)
- / Laser pointer as optical orientation aid
- / Integrated display to show all relevant information
- / Documentation about image recordings and indication of measures
- / Leak tags for marking the leak
- / Data transfer from handheld device to PC via USB stick
- / PC software including 2 workstation licenses and integrated reporting tool acc. to ISO 50001
- / Long battery life (up to 9h)



After transferring the data to the PC software, an ISO 50001 compliant report can be generated.



REPORT CONTENT

- / Picture of the leakage point
- / Time / Date
- / Company name / department / machine
- / Leakage size
- / Cost of leakage per year
- / Total cost & losses per year for all leaks



ipf electronic gmbh
info@ipf-electronic.com • www.ipf-electronic.com

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