

## METPOINT® LKD

### THIS LEAK DETECTOR DETECTS EVERY LEAK. PRECISELY AND QUICKLY.

Minor cause – major effect. Small leaks can already make up a large part of the costs for compressed air. Leakage rates of 30 % are not a rarity. In times of rising energy prices, huge amounts of money are quickly „blown into the air“ in this manner.

A remedy to this is the small and easily operable METPOINT® LKD Leak Detector. With this device, the leaks in the system can be detected within a short time. Therefore, short-notice pinpoint maintenance is possible.

For this purpose, the METPOINT® LKD makes use of a physical property. Where compressed air escapes, friction of the gas molecules at the wall of the pipework occurs. This friction produces a high-frequency inaudible ultrasound.

The METPOINT® LKD detects the ultrasound, transforms it into an audible sound and indicates it optically. The METPOINT® LKD operates with extreme reliability. As only those frequencies are detected which occur in the event of leakage, precise location of the leaks is ensured under all types of industrial noise conditions.



Product examples from the scope of delivery.  
Not type-binding.

**+1:**

**+2:**

**+3:**

**+4:**

**+5:**



**EASY HANDLING**

**STATE-OF-THE-ART  
BATTERY TECHNOLOGY =  
LONG BATTERY LIFE**

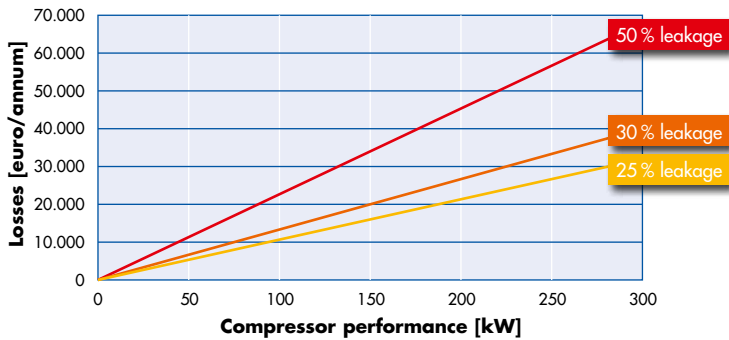
**PLUG & PLAY**

**DIGITAL DISPLAY**

**INCLUDING CAR CHARGER  
AND HEADPHONES**

# METPOINT® LKD

## Financial consequences of leaks



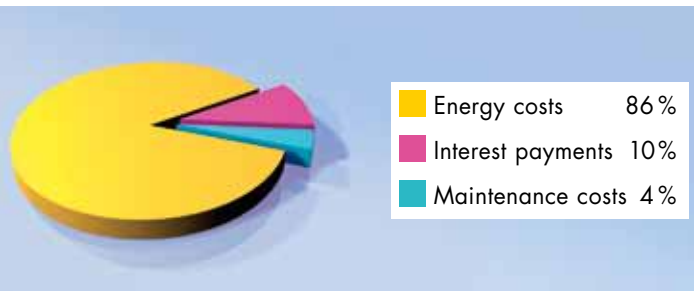
On the way from the compressor to the point of use, part of the expensively generated compressed air always escapes. In the average daily case, such leaks amount already to 25-30% of the generated volume of compressed air or even to 50% or more in extreme cases.

Basis: 8760 operating hours/annum, 0.05 euro/kWh

## LOSS-FREE COMPRESSED-AIR TRANSPORT IS THE KEY TO A GOOD OPERATING RESULT.

Up to 86% of the operating costs are energy costs.

### Operating costs at 7500 h/a



## THE SOLUTION IS METPOINT® LKD

Detects every leak

- even at long distances
- also at places which are not easily accessible
- also without direct visual contact

Optimises your resources

- significantly reduced energy losses
- lower demand for installed compressor performance
- reduced compressor wear and tear

### Scope of delivery

- Detector
- External probe incl. cabel
- Headphones with ambient noise reduction
- Power supply unit and international adapter
- USB cable to charge the battery via notebook/PC
- Car charger cable
- Transport case
- Instruction manual

### Technical Data METPOINT® LKD

Measuring range	40 kHz +/- 1 kHz
Frequency range	2.5 kHz
Visual display	OLED display: Signal leakage (digital pointer deflection) Sensitivity: bargraph and percentage indication Loudness level: bargraph and percentage indication State of charge: multi-stage
Signal level indicator	Digital pointer deflection and percentage indication
Sensitivity	0 ... 100 % adjustable
Headphones output	3.5 mm jack bush
Loudness level headphones	Adjustable 10 steps
Voltage supply	3.7 V Li-ion rechargeable battery with 1100 mAh
Charging time	2.5 h
Battery life	> 40 h
State of charge indication	Multi-stage
Weight	approx. 250 g
Housing	Aluminium
Dimensions	120 x 70 x 23 mm
Operating temperature	-20 °C ... +60 °C
Keyboard	Membrane IP51 (resistant to oils etc.)
Interface	USB (updatable)

### Technical Data Power Supply Unit

Input voltage	90 ... 264 VAC
Input frequency	47 ... 63 Hz
Power	5 Watt
Output voltage	5 VDC
Operating temperature	0 °C ... +40 °C
Storage temperature	-40 °C ... +85 °C
Dimensions	71.7 x 45 x 29.8 mm
Weight	60 g
Connecting plug	Mini USB Type B