



## Measurement technology | METPOINT® LKD

### METPOINT® LKD: quick and reliable leak detection

Are you aware that leakage drives up the energy costs in production? However, leaks often remain undetected for long periods, as they are invisible and make no noise. Such undetected leaks become real cost drivers. Detecting them helps save money.

Using modern ultrasound technology, the mobile METPOINT® LKD leak detector locates even minute leaks in your system. You can achieve maximum cost savings at minimum expense. The METPOINT® LKD makes sure that your production processes are environmentally friendly and run at the highest energy efficiency level, ensuring the long-term profitability of your business.

#### Functional principle:

Leaks are points in the compressed air system where air can escape. As this results in a pressure drop, more energy is needed to keep the pressure in your system at the required level. Leaks generally occur in lines, connections, maintenance components and quick-release couplings far away from the compressor.

As compressed air escapes, the gas molecules cause friction along the piping wall. This friction in turn generates a noise in the ultrasonic frequency range. The METPOINT® LKD detects this noise and converts it into audible and visual signals. As it only picks up noise within the gas leak frequency range, the device allows for accurate detection even in noisy environments.

- › **Tested and reliable**
- › **Highly sensitive ultrasound technology detects even tiny leaks**
- › **Advanced battery technology for long runtime**
- › **Allows for leak detection during production run**
- › **Portable, compact and easy to operate**
- › **User-friendly digital colour display**
- › **High-grade aluminium housing**



| Technical data            |  |
|---------------------------|--|
| Measuring range           | 40 kHz +/- 1 kHz   |
| Bandwidth                 | 2.5 kHz  |
| Visual indicators         | OLED display, leak signal (digital dial)<br>Sensitivity: bar chart and percentage value<br>Noise volume: bar chart and percentage value<br>Battery charge: multi-level indicator |
| Signal strength indicator | Digital dial and percentage value  |
| Sensitivity:              | 0 ... 100 %, adjustable  |
| Headphone socket          | 3.5 mm jack  |
| Headphone volume control  | 10 levels  |
| Power supply              | 3.7 V Li-ion battery, 1100 mAh   |
| Charging time             | 2.5 h  |
| Battery runtime           | > 40 h   |
| Charge indicator          | multi-level indicator  |
| Weight                    | approx. 250 g  |
| Housing                   | aluminium  |
| Dimensions                | 120 x 70 x 23 mm   |
| Operating temperature     | -20 °C ... +60 °C  |
| Keypad                    | IP51 foil (resistant to oil, etc.)   |
| Interface                 | USB (updatable)  |
| Power supply unit         | Input voltage: 90 ... 264 VAC / 47 ... 63 Hz<br>Output voltage: 5 VDC  |



## Accessories for METPOINT® LKD



| For METPOINT® LKD | Telescopic rod (max. extension 4 m, including extension cable) | Replacement receiver |
|-------------------|--|----------------------|
| Order no.         | 4020330  | 4023138              |

## Do you have questions about the best way of processing your compressed air?

We have the answers! We offer efficient solutions for any type of processing chain. Please contact us with all your queries. We would be delighted to tell you more about our condensate

treatment, filtration, drying, measuring and process technology, and our comprehensive services.

Visit us at



**BEKO TECHNOLOGIES GMBH**  
Im Taubental 7 | D-41468 Neuss

Tel. +49 2131 988 - 1000  
info@beko-technologies.com  
www.beko-technologies.com



Subject to technical changes without prior notice. Errors and omissions excepted.