

## Wöhler UL 23 Ultrasonic Leak Detector



### Wöhler UL 23 Ultrasonic Leak Detector:

Leak detection at e.g.:

- gas lines
- water lines
- refrigerant units
- pneumatic systems
- hydraulic systems
- vacuum systems
- electrical systems: switches, relays and other contacts

### Function

A leak is a not wanted flow of a substance out of a system, or in a vacuum into the system. Friction in flow, water in pipes and air out of a tire create sound. The sound we can hear is less than a third of the total spectrum of frequencies generated. The sound from small leaks is mostly ultrasonic. Humans cannot hear this because it is above the human spectral range. In order for a leak to generate ultrasonic frequencies, the flow through the leak has to be turbulent. The velocity of the moving gas must be high in relation to the orifice. The Wöhler UL 22 receives the ultrasonic sound that is emitted by a leak, processes it, and displays its level. The larger the leak, the higher the indication. In addition to the display, it produces an audio reproduction of the leak sound. The intensity of the audio will change proportionally to the ultrasonic sound level.

### Wöhler UL 23 Ultrasonic Leak Detector

Wöhler UL 23 ultrasonic leak detector, headset, wave guide, sonic probe

Order No. 3620 J

### Wöhler UL 23 Ultrasonic Leak Detector Set

Wöhler UL 23 ultrasonic leak detector, Wöhler US 23 ultrasonic sound generator, wave conductor, headset, plastic case Midi 60

Order No. 3630 J

### Technical Data

<b>Frequency regulation:</b>	Precision-Quarzoszillator
<b>Output frequency:</b>	40 kHz ( $\pm 2.5$ Hz)
<b>Indicator:</b>	acoustic signal and level LEDs
<b>Output intensity:</b>	115 dB at 30 cm
<b>Wave conductor:</b>	200 mm long
<b>Sonic probe:</b>	200 mm long
<b>Work temperature:</b>	-20...45 °C
<b>Current supply:</b>	9V Block battery
<b>Service life:</b>	70 hours permanent use
<b>Weight:</b>	1.25 kg in complete case