



HYDRO

## LEAKPEN

Leak detection made easy



**ZEROWATERLOSS**  
vonroll-hydro.world



# LEAKPEN

## Small, handy and user-friendly leak detector with highly sensitive microphone

Mobile device with outstanding measurement properties for prior localisation and acoustic leak detection on pressurised pipes. Valves and fittings, hydrants, house connections, etc., are very straightforward to check during maintenance and checks, meter readings or specific searches for leaks.

### Reliable function

The Leakpen is fitted with a movement sensor and is switched on with a short forwards movement. The device is then held to the measuring point with a probe tip or an adapter. The noise level measured is displayed by the LEDs on the device to detect leaks quickly and easily. Using Bluetooth headphones (optional) allows you to listen unimpeded with the best quality of sound.

As a general rule, the higher the noise level measured, the closer the leak. If no leak noise is detected, it can be concluded that the pipe section does not have any leaks. Interference is automatically excluded by a preset frequency filter. Leak sites can generally be detected at a distance of up to 200 m, depending on the pipe material and its operating pressure.

Mobile device with outstanding measurement properties for prior localisation and acoustic leak detection on pressurised pipes. Valves and fittings, hydrants, house connections, etc., are very straightforward to check during leak repair work.

### Available models

- Device without accessories
- Carrying strap
- Operating instructions

### Set 1 contains

- Mobile LEAKPEN device with integrated sound sensor
- In-ear headphones with charger
- Carrying strap
- Operating instructions

### Set 2 contains

- Mobile LEAKPEN device with integrated sound sensor
- Digital Bluetooth headphones with charger
- Magnet adapter and stick extension
- Carrying strap
- Operating instructions



**HYDRO**

## Technical specifications



### Noise detector

<b>Housing:</b>	Stainless steel, OPX PP
<b>Dimensions:</b>	Diameter 18 mm x 191 mm ergonomic shape for operation with one hand
<b>Protection rating:</b>	IP65
<b>Weight:</b>	
Handheld device	170 g ± 25%, including battery
<b>Operating temperature:</b>	- 20 °C to + 50 °C
<b>Storage temperature:</b>	- 40 °C to + 60 °C
<b>Humidity:</b>	0 % to 100 % RH
<b>Power supply:</b>	
Handheld device	1 × 1.5 V AA lithium / alkaline / Ni-MH, replaceable
Operating time	At least 10 hours, with new alkali battery 2500 mA at 21 °C – automatic switch-off after 2 minutes of inactivity without Bluetooth connection, automatic switch-off after disconnection of the Bluetooth service Connection
<b>Visual display:</b>	Red LEDs (9 pieces) for displaying the leak noise level and battery status, blue LED to indicate Bluetooth connection
<b>Audio transmission:</b>	
Bluetooth	Interference-free Bluetooth 5.0 wireless technology (class II)
HF module	Sierra Wireless AirPrime BC127-EXT, 5.0 Dual Mode
Transmission power	+ 10 dBm (maximum)
Antenna	Internal ceramic chip
<b>Sensors:</b>	
Acoustics	Integrated piezoelectric compression sensor (PE), vonRoll hydro technology
Movement	Integrated digital acceleration sensor for operating control
Signal processing	Frequency response 340 Hz to 3400 Hz
Certification	CE / CB