

## LEAKPEN

Leak detection made easy





# LEAKPEN

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

LEAKPEN is a portable acoustic leak detection device with powerful measurement capabilities for early identification and location of leaks on pressurized pipes. It is a simple, yet effective tool for providing water professionals better insight into the condition and operation of their network.

### Reliable function

LEAKPEN is ideal for performing an initial water network assessment. It can listen to up to 650 feet of pipeline, depending upon pipe material and water pressure. Abnormal or louder noises indicate a leak. The higher the noise level, the closer the leak is to the measuring point. This provides users a basis for performing more exact analysis with a correlator such as vonRoll hydro's LOG3000. On the contrary, absence of unusual or higher sound levels indicates no leaks. LEAKPEN is calibrated to filter out interference from outside noises such as machinery, pumps, and automobile traffic.

An internal movement sensor activates LEAKPEN with just an easy shake. Its pointed tip is held against the pipeline at a valve, hydrant, fitting, house connection or any other direct point of contact. The pipe's noise level is then displayed by the LED lights on the pen's side. Optional Bluetooth™ headphones allow users to listen to sounds.

### LEAKPEN packages:

#### Option 1

- LEAKPEN with integrated sound sensor
- Neck lanyard
- Operating instructions

#### Option 2

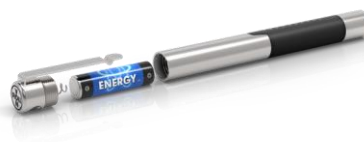
- LEAKPEN with integrated sound sensor
- In-ear headphones with charger
- Neck lanyard
- Operating instructions

#### Option 3

- LEAKPEN with integrated sound sensor
- Bluetooth™ headphones with charger
- Magnet adapter and stick extension
- Neck lanyard
- Operating instructions

LEAKPEN is easy-to-use and designed to be at the ready. Powerful and reliable, yet simple to operate, it is a cost-effective means for checking the performance and condition of any water network.

## Technical specifications



### Noise detector

Housing:	Stainless steel, PVC
Dimensions:	¾ in (diameter) x 7 in (length) / 18mm x 180 mm ; ergonomic design for one-hand use
Protection rating:	IP68
Weight:	
Handheld device	7 oz / 200 g ± 25%, including battery
Operating temperature:	- 4 °F to 122°F / - 20 °C to + 50 °C
Storage temperature:	-40°F to 140°F / - 40 °C to + 60 °C
Humidity:	0 % to 100 % RH Power supply:
Handheld device	1 x 1.5 V AA lithium / alkaline / Ni-MH, replaceable
Operating time	At least 10 hours, with new alkali battery 2500 mA at 70 °F / 21°C – automatic switch-off after 10 minutes of inactivity
Visual display:	Red LEDs (10 pieces) for displaying the leak noise level and communication status
Audio transmission:	Adjustable hearing-protection
Bluetooth™	Interference-free Bluetooth™ 2.1 wireless technology (class II) and aptX audio codec
HF module	Feasycom FSC-BT802, 5.0 dual mode
Transmission power	+10 dBm (maximum)
Antenna	Internal ceramic chip
Sensors:	
Acoustics	Integrated piezoelectric compression sensor (PE), vonRoll hydro technology
Movement	Integrated digital acceleration sensor for operating control
Signal processing	Frequency response 20 Hz to 2000 Hz
Certification	CE / CB