

PERIJA MINI V-PICKUP



Acoustic Digital Water Leak Detector

PERIJA Mini V-Pickup **Acoustic Digital Water Leak Detector**, based on a **piezo electric ground microphone** is used for identifying leaks in **water pipes** of different materials & depths in **residential areas, buildings and small campus.**



The Perija Mini V-Pickup is a **water leak detection equipment** that can be used to **listen & pinpoint for water leaks** using **“Automatic leak judgement mode”** in **all types** of water pipes **under pressure**, such as metallic and non-metallic, in both **floors and walls, subject to ≥ 1.5 bar pressure, for water pipes upto 1.8 meter depth.**

In case **1.5 ~ 2 bar water pressure** is not available or water pressure **is too low**, Plumbers or technicians can **use an air pump**, which will induce conditions to hear the leak sound.

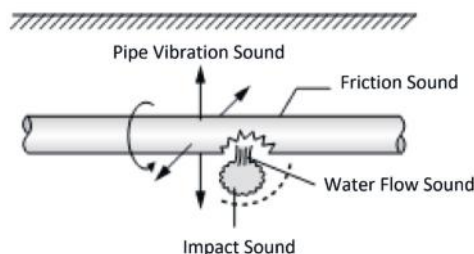
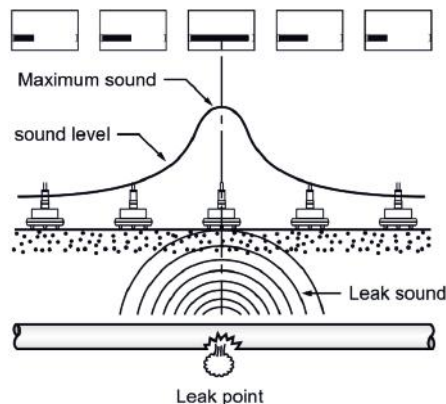
- **Water flow sound**
- **Friction sound**
- **Impact sound**
- **Pipe vibration sound**

Combined, these sounds constitute the leakage sound. Where there is no leakage, the user can only hear the sound of the water flow.

Water Leak Indication :

When moving along the path of a given water pipe, the closer you get to the leak point, the signals received from the leakage will grow in intensity and/or range.

The **noise** heard becomes **louder** and **larger horizontal signal bar-graphs** are displayed on the screen.



Equipped with **Automatic Leak Judgement Mode**

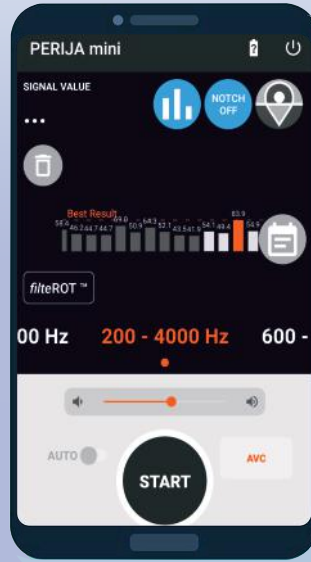


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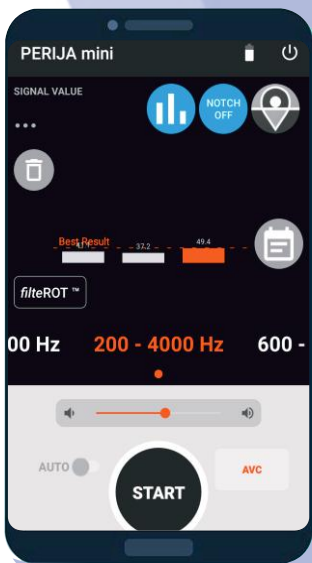


Acoustic Digital Water Leak Detector

The Perija Mini V-Pickup water leak detector is operated through **bluetooth connectivity** using the operators android based mobile phone or tablet. The **Perija Mini APP** once downloaded, provides an **automatic leak judgement mode (ALJ)**. By placing the microphone on the surface for **3 secs** (preparation time), the operator will both hear & **within 10 secs receive an analysis as follows on possible leak**.



- No Drop : No leakage, invalid, very weak input signal
- One drop : Low possibility, weak input signal
- Two Drops : Small leakage, intense leakage at
- Three drops : Confirmed leakage

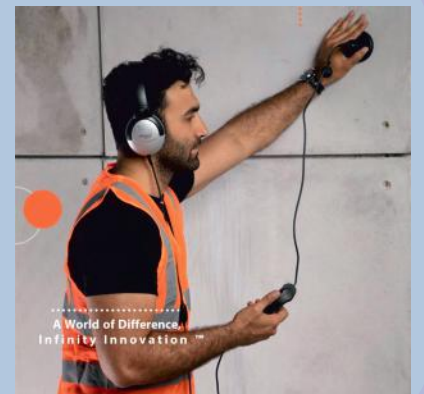


Leak Noise Level Recording Function [Assistant view]

In this mode you can compare multiple points, view audio signal measured in values & finally view a bar chart comparison.



Detect leaks in pipes below floors.



Detect leaks in pipes in walls.

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Specification:

Technology	Acoustic
Sensor	External Piezo Electric (equipped with characteristic ball to break wind noise) IP-67 equivalent (water depth 1m, 30 minutes)
Amplification	53dB+3
Frequency range	200 ~ 4000Hz
Band pass filters	4 Selectable band pass filters - High : 200Hz,600Hz, Low : 2100Hz,4000Hz
FilteROT mode	Filter rotation mode
Notch filters	50Hz, 60Hz to remove powergrid noise from output audio.
Activation	Manual : Mute key on perija Mini APP, MUTE key on perija mini keypad. IRAA mode : IR Acoustic activation mode Automatic mute control with IR sensor (for reflective surfaces) & adjustable proximity range capability.
Automatic Leak Judgement mode	Automatic leakage judgement mode. <ul style="list-style-type: none">• Sensor placed near water meter to automatically detect abnormal sounds.• Ideal for checking water leakage during meter reading.• 3 secs installing time - 10 secs analyzing time.• ALJ mode results indicated leakage possibility :• No drop : No leakage, invalid, very weak input signal.• One drop : Low possibility, weak input signal• Two drops : Small leakage, intense leakage at distance• Three drops : Confirmed leakage Note : The sensitivity setting or any impulse noise (e.g a sudden unwanted sound like construction noise or car horn) doesn't impact the result.
Display	N/A, Displays through mobile APP on user's smartphone or tablet screen, LED indication
Data communication	Bluetooth low energy (BLE)
Smart-phones APP	Perija Mini APP (for Android version of smartphones or tablets)
Battery	3.7V/ 850mAh Li-on rechargeable, chargeable with any USB port, USB cable included.
Operating temp range	Operation temp : -10°C~+50°C : Storage temp : -20°C~+60°C
Headphone	3mm stereo headphone included
Casing	Hard case, NANUK 910 with IP-68 protection
Contact bar	3 x Mini contact bar (3x110mm) + Ø20mm disk plate, 3 x contact bar (3x300mm) + Ø40mm disk plate
Dimension (in mm)	136x300x60
Warranty	1 year limited warranty
Country of origin for product	Made in Canada

PERIJA Series



Smart Water Leak Detecting System For Mains & Branch Lines



THE PERIJA PLUS is an advanced water leak detection equipment that can be used to listen for & pinpoint water leaks in all types of water pipe networks under pressure, in both the main lines and branches of metro, industrial and irrigation environment, for upto 750mm in diameter & which are being used at ≥ 2 bar pressure, allowing the operator to detect leaks in pipes buried upto 5 meter depth below ground.



Scan this for complete **PERIJA PLUS** brochure

Digital Water Leak Estimator & Electronic Listening stick



PERIJA Mini Vpro is a **Leak Judgment Instrument & Acoustic Digital Sound Detector Electronic Listening Stick System** with **Automatic Water Leakage Judgment Mode**, well-suited for water leak surveying on pipes for **Service Lines between homes**. It is a smart and sensitive sound detector that is equipped with an internal piezo electric sensor in an extremely small size.



Scan this for complete **PERIJA Mini Vpro** brochure



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Quality
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ISO 9001:2015

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