

PERIJA Mini Vpro



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.

- Leak Area Judgment For **Service Lines** between homes
- **Automatic Water Leakage Judgment Mode**
- Determining possible leak area in **service lines**, or **valves**, by testing **near water meters**.
- Instrument will provide **Yes/No for possible leak**.
- Frequency range : **200~4000Hz**.
- **Bluetooth connectivity** to **Perija Mobile App** for direct viewing of results On Site.
- **GPS data** for checking, analysing & pin-pointing the leakage spots.
- Safe and easy solution for acoustic leak estimation between branches, taps and access points to the water network.

Perija Mini VPro is provided with various attachments :

- to allow choose based on surface type on which connection is being established, for water leak estimation
- With segmented rods, to allow use as an electronic listening stick, by connecting to the buried water pipe and also hear the sound using headphones.



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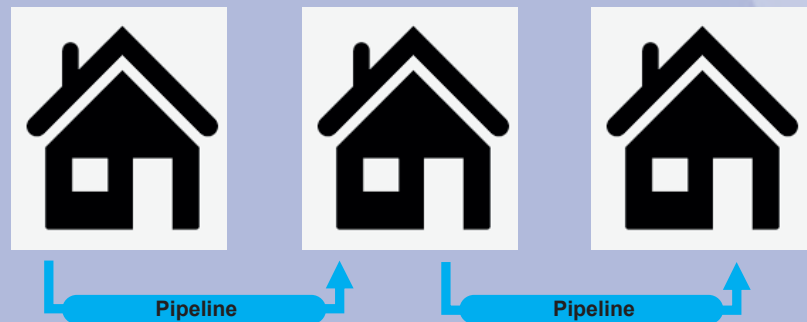


How to connect the Perija Mini Vpro to the Service Line

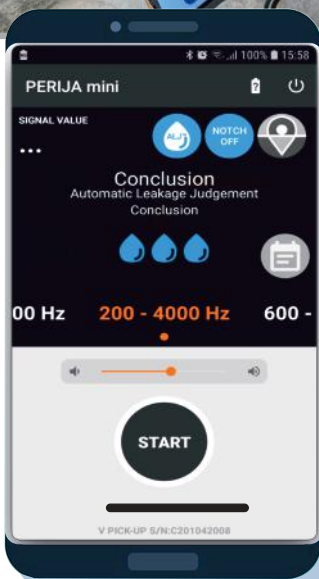
The Perija Mini Vpro Acoustic Digital Sound Detector is operated through **bluetooth connectivity** using the operators android based mobile phone or tablet.

The **Perija Mini APP** once downloaded, provides an **automatic leak judgement mode (ALJ)** which is a smart and innovative operation mode that helps the user simplify the leakages.

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.**



Isolating leak point in service lines connecting homes or buildings



- ● ● 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

Total Time taken for Leak estimation :

10 seconds

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Specification:

Technology	Acoustic
Sensor	Internal Piezo Electric
Amplification	53dB+3
Frequency range	200 ~ 4000Hz
Band pass filters	4 Selectable band pass filters - High : 200Hz,600Hz, Low : 2100Hz,4000Hz
Filter 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 IR Sensor : Automatic mute control with IR sensor (for reflective surfaces)
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 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.**



Scan this for complete **PERIJA Mini V-Pickup** brochure



Asian Contec Ltd.

Asian Center, B-28, Okhla Industrial Area, Phase-1, New Delhi -110020, India.

Contact Nos. : Tel : +91-11-41860000 (100 Lines), Direct Sales Helpline : +91-11-41406926

Web : www.stanlay.in www.stanlay.com email: sales@stanlay.com

Regional Offices : Faridabad | Mumbai | Ahmedabad | Bengaluru | Hyderabad | Lucknow | Kolkata | Bhubaneswar | Guwahati

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