



**PS-i**

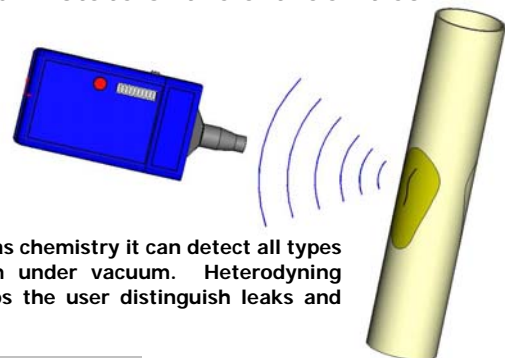
## Ultrasonic Leak Detector



The PlantScan PS-i is the world's first pocket size Heterodyne Ultrasonic Leak Detector designed and manufactured in state of the art facilities in the USA.

PS-i 's operational principle is based on the detection of ultrasound produced by the turbulent flow of gases and liquids in leaks. The leak flow, passing through very narrow spaces (cracks, holes etc.), generates a rich ultrasonic sound spectrum which is easy to detect with the PS-i

Since the PS-i detects ultrasonic sound and not a particular gas chemistry it can detect all types of gasses including nitrogen and air rushing in a system under vacuum. Heterodyning translates this ultrasound into true audible sound that helps the user distinguish leaks and other sounds.



***You must hear it to believe it!***

The PS-i is capable of finding pressure and vacuum leaks in HVAC systems, without being affected by the wind or leaked refrigerants in confined spaces. It can find a leak as small as 2.5-3oz./yr (84gr/yr)

The PS-i is an indispensable tool that saves time and money for every HVAC/R technician and contractor.

PS-i

HVAC/R Applications	Automotive Applications
Detects FREON Leaks in:	Manifold Vacuum Leaks
Condenser / Evaporator coils	Fuel Injection Gasoline Leaks
Hoses, Tubing, Fittings	Fuel Injector Testing (w/Touch-Probe)
Compressors & Expansion Valves	Radiator Testing (No Bubbles)
Detects Vacuum Leaks (during recovery)	Tire Leaks
Detects Nitrogen Leaks (initial assembly)	Water Leaks and wind noise (With SB)
Door Seal Leakage, Coolers, Walk-ins	Air Brake System Leaks
Refrigerated Trailer Leaks	Tank Leaks
Switch & Relay Arcing & Corona	Bearing condition (w/Touch-Probe)
Air Duct Leaks	Windshield, Window, Trunk Leaks

**PS-i Features & Benefits:**

- Is not affected from the presence of other gases or high concentrations.
- Is not affected by wind.
- Not necessary to make part of the system, like a pressure gauge.
- Ten (10) Element LED Bar Graph shows signal strength.
- On the fly Sensitivity Adjustment aids in locating leaks quickly.
- True sound reproduction ensures fast recognition of leaks.
- Is not affected from other sounds.
- Comes complete in a carrying case with high quality Stereo headset

***PS-i Accessories***

**Touch Probe**, Helps convert sounds within valves or solids to airborne sound for the PS-i to detect. (Patented PlantScan exclusive)



**Waveguide**, Helps reach difficult and inaccessible areas extending the detection range. (User can customize it to fit specific needs)

**SoundBuster**, Ultrasonic Sound Generator. Artificially pressurizes rooms, tanks, enclosures with sound that the PS-i can detect thus locating where they leak air, water or other fluids or gasses.

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