



## PS-1100

### Ultrasonic Inspection System Internal-External Leaks



The **PS-1100** is a state of the art dual integrated sensor ultrasonic inspection system for leak detection, mechanical inspection and troubleshooting.

*!Incredible sound fidelity!*

*! You must hear it to believe it !*

The principle of operation of the PS-1100 is based on the detection of ultrasonic sound produced by turbulent flow of gases and liquids in leaks, both internal and external. Ultrasound from leaks or mechanical problems like bearing wear is translated into audio that can be heard in the headset while its intensity displayed in dual displays, a bar graph with peak hold and an alphanumeric multifunctional display.

The **PS-1100** is the first digital instrument in its class that incorporates two independent sensors an Airborne sensor and a Structure Borne sensor; it is like two instruments in one!

The PS-1100 detects accurately ultrasounds generated by leaks which are inaudible to humans and can locate them at the speed of sound.

The PS-1100 detects AirBorne Leaks or Electrical Arcing in the frequency band of 36 kHz to 42 kHz and 16 kHz to 24 kHz for Internal Leaks or Bearing Wear.

For AirBorne Leak Detection: The **PS-1100** is capable of detecting ANY Gas (Compressed Air, Refrigerants, Nitrogen, CO2, Helium, Vacuum and many others)

For Structure Borne Leak Detection: The **PS-1100** is capable of detecting internal leaks in Steam Traps, Valves (All types), Solenoid Valves, Pumps, Hydraulics (Cylinders, Controls, etc)

<b>Applications</b>	
<b>AirBorne Leaks</b>	<b>Solid Borne Leaks</b>
Compressors & Compressed Air	Steam Traps
Refrigerants (All types)	Safety Valves-Rupture Disks
Vacuum Systems	Valves (All Types)
Cryogenic Gasses-Medical Gasses	Hydraulic Cylinders
Air Brakes	Hydraulic Valves-Controls
Corona, Arcing	Gaskets-O-Rings
Walk-in Coolers, Clean rooms, Ship Compartments, Aircraft Windows.	Pumps: Hydraulic, Water, Solids, Powders, Mud, Effluent, Concrete

### *PS-1100 Features & Benefits:*

The **PS-1100** is,

- Not affected by the presence of other gasses in the test area.
- Not affected by wind or temperature fluctuations.
- Not affected by other sounds in the test area.
- Not necessary to be made part of the system like gauges etc.
- Behind the head noise attenuating headset for a hard hat.
- Capable of AUDIO ZOOM

When the **PS-1100** is combined with the ultrasonic sound generator, SoundBuster, can detect leakage from tanks, enclosures, building doors & windows, automobile windows & windshields, walk-in coolers, ship hatches and compartments, and clean rooms.

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