Superior®
AccuTrak®
Ultrasonic Leak Detectors

Made in USA

Ultrasonic Leak Detection with Superior *AccuTrak*® VPE

The Patented Superior *AccuTrak*® VPE State-of-the-art Technology for pinpointing leaks in Air Conditioning and Refrigeration Systems

AccuTrak® is extremely sensitive to the ultrasonic sound of a turbulent gas leak. Using a technology called "heterodyning" it translates the sound to a lower frequency which your ear can interpret. ***AccuTrak***® maintains the original sound characteristics making it possible to distinguish leaks from other competing background sounds. ***AccuTrak***® is so sensitive you can actually hear the blink of an eye, yet most background noise will not interfere with detection accuracy.

Applications:

- Leak Detection: Air, Vacuum, Refrigerants, ANY GAS!
- Diagnose thermal expansion valves in just five minutes!
- Valves: Detect/ Hear internal leakage in any type of valve!
- Bearing Wear: Hear wear & lubrication problems before damage is done!
- Steam Traps: Detect live steam loss in seconds!

Capabilities:

- Works equally well for compressed Air or Nitrogen.
- Not affected by wind or high concentrations of leaked gas or refrigerant.
- Capable of detecting leaks equivalent to 1.5 oz/year of Refrigerant.
- Able to detect a 5 psi leak through a 0.005" (5/1000 inch) hole, from a 20-30 foot distance depending on background noise.
- Easily detects any gas that generates ultrasonic sound during flow including vacuum leaks.

Introducing the NEW VPE-GN Gooseneck Finds Leaks in Hard to Reach Spaces!

The New 9½" Flexible Gooseneck Makes
Leak Detection Easy in Hard-To-Reach Places!

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Features of the *AccuTrak*® VPE and VPE-GN:

- **Audio Output:** 0 Hz to 4 kHz Natural Sound conversion allows you to Hear the Leak, and distinguish leaks from mechanical or other background ultrasound.
- **Visual Output:** 10 element bar graph provides quick and intuitive visual indication to presence of and relative strength of ultrasound.
- **Adjustable Sensitivity:** allows operator to quickly identify leaks from a distance and then zero in on the exact location of the leak.

Standard VPE Kit Includes:

VPE Detector & Headset, Touch Probe, Waveguide, Owners Manual, Battery, Protective Hard Case

AccuTrak® VPE Specifications

Mechanical:

Dimensions:	(LWD) 4.15” (10.5cm) X 2.4” (61mm) X .875” (22.2mm)
Overall Length:	5.5” (14cm)
Body Materials:	ABS
Body Finish:	Blue ABS
Connector:	3.5mm Stereo
Top Label:	Velvet Lexan, Back Printed
Weight:	0.3lb (138gr) Includes Battery

Electrical:

Airborne Sensor Sensitivity:	-80db/V-µbar
Detection Performance:	1.5oz/yr Refrigerant
Ultrasound Converter type:	Heterodyne
Airborn Frequency response:	36kHz-42kHz
Heterodyne Oscillator:	Analog
Heterodyne Filter:	4kHz
Controls:	1 Button
Sensitivity Control:	Continually Variable Slide
Output, Audio:	0Hz to 4kHz
Output, Visual:	10 Element Bar Graph
Battery Type:	Std. 9 Volt Alkaline
Run Time:	80-120 hrs

AccuTrak® Sound Generator - an Essential Accessory

The ***AccuTrak***® Sound Generator when used together with AccuTrak VPE forms a non-invasive leak detection system capable of finding leaks in enclosures, including refrigerator/freezer door gaskets, truck or auto window seals, trunk gaskets, aircraft cabins, various tanks, vessels, or any other container that needs to be leak-free.

The ***AccuTrak***® Sound Generator is used to “pressurize” rooms and enclosures with it’s sound. This sound is above the human hearing range, and cannot be heard. It can penetrate through minute cracks, even ones that are not directly behind the leak point, and exit through it. The VPE can trace the path air, or water, will take to cause a leak. The ***AccuTrak***® **VPE** receives the ultrasonic sound that escapes from the leak point, processes it and displays its strength. The bigger the leak is, the higher the volume in the headset. Burst Mode: If the background noise is extremely loud in a particular area, using Burst Tone will make the output of the sound generator much easier to identify.

AccuTrak® Sound Generator Specifications:

Frequency Control - Precision Crystal Oscillator
Frequency Accuracy + /- 50 parts per million
Output Intensity - 115 db at 30cm. (nominal)
Battery Type - Std. 9 Volt Alkaline

Output Frequency - 40 kHz (+/- 2.5 Hz)
Precision Voltage Regulator - 1% Regulation
Dual Mode Output - Continuous or Burst Tone
Battery Life (approx.) - 70 hrs. Continuous, 90 hrs. Burst