



MONARCH INSTRUMENT

Innovation in Instrumentation

AccuTrak® Model VPE-1000

ULTRASONIC INSPECTION SYSTEM

Digital Made Affordable!



When powerful performance is needed and budgets are limited, choose the versatile VPE-1000. This digital ultrasonic detector offers extraordinary features at a fraction of the cost of other ultrasonic instruments.

The AccuTrak model VPE-1000 is extremely sensitive to the ultrasonic sound of leaks and friction in industrial systems. By using a technique called "heterodyning" it *translates* the ultrasound to a lower frequency, which our ears can interpret. The AccuTrak is so sensitive it can hear the blink of an eye, yet most background noise will not interfere with detection accuracy. Patented technology uses a microcomputer and digital circuitry making AccuTrak the most accurate and repeatable ultrasonic inspection instrument available in its class.

Applications

The VPE-1000 is perfect for any institutional or industrial environment. Use for hundreds of leak detection and plant maintenance applications. Including...

- **Steam Trap Testing**
Detect live steam loss in seconds!
- **Leak Detection**
Air, Vacuum, Refrigerants; ANY Gas!
- **Detect Bearing Wear**
Set baselines, trend increases, hear wear and lubrication problems!
- **Valve Testing**
Detect/Hear internal leakage!

Features

Unbelievable features at an extraordinary price, the VPE-1000 offers...

- **Digital LED Indicators**
Both Alphanumeric and Bargraph!
- **Digital Peak Hold**
Holds highest level for easiest readability!
- **Separate Volume/Sensitivity**
Independent controls allow you to "Zoom" into sounds in noisy areas!
- **Dual Sensors**
Each with excellent frequency response, and independent settings held in memory!



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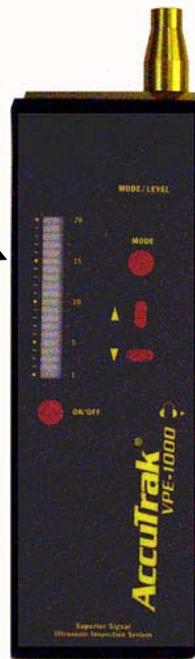
FEATURES



The VPE-1000 includes...
 Detector, touchprobe & waveguide attachments, comfortable over the ear headset, battery, owner's manual, and instructional CD. All in a hard shell padded case.

Digital display shows mode setting, and level of current input

Power on/off



Airborne sensor for leak detection

Mode Button; select sensor, volume, sensitivity, and display settings.

UP & Down adjustments

Detachable stainless steel probe for internal sound detection.



VPE KIT includes VPE meter, headset, waveguide, stainless steel probe and ABS carrying case.

Also Available...
AccuTrak Model VPE offers high sensitivity & great sound quality in a compact package designed for one hand operation. Includes flexible waveguide for hard to reach areas, and hard molded carrying case. **Important features:** **Low** cost and highly sensitive, Small and simple to use, runs on 9v battery, patented technology, classic heterodyne detector, designed for use in areas of low to moderate background noise.

SG2 Sound Generator



SG2 Sound Generator

Continuous or Burst Mode at 49 kHz up to 115 dB at 30 cm. Powered by 9V cell. Highly recommend Accessory provides tone for troubleshooting pressure vessels and/or airtight applications.

Specifications

Sensitivity	Airborne Sensor: -80dB/v/mbar Contact Sensor: -12x10 ⁻³ v-m/N
Frequency Ranges	Airborne Sensor: 36kHz to 42kHz, center Touchprobe Sensor: 18kHz to 22kHz, center
Displays	LED Bargraph: Intense 20 element with peak-hold, Alphanumeric: 4 element
Modes	Volume, Sensitivity, Peak-Hold, Sensor Select and more.

Power Requirements

Battery:	9-volt cell
Low Battery Indicator:	Flashing "BATT" in display
Battery Life:	8 hrs.

Physical

Size:	7.06" x 2.39" x .84"
Weight:	0.60 lbs.
Construction:	Durable ABS & anodized aluminum
Touchprobe:	6in. Solid stainless steel
Headset:	stereo, over the ear style
Carry Case:	Hard-shell, with foam inserts

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 Prices and Specifications Subject to Change without Notice
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