



## 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

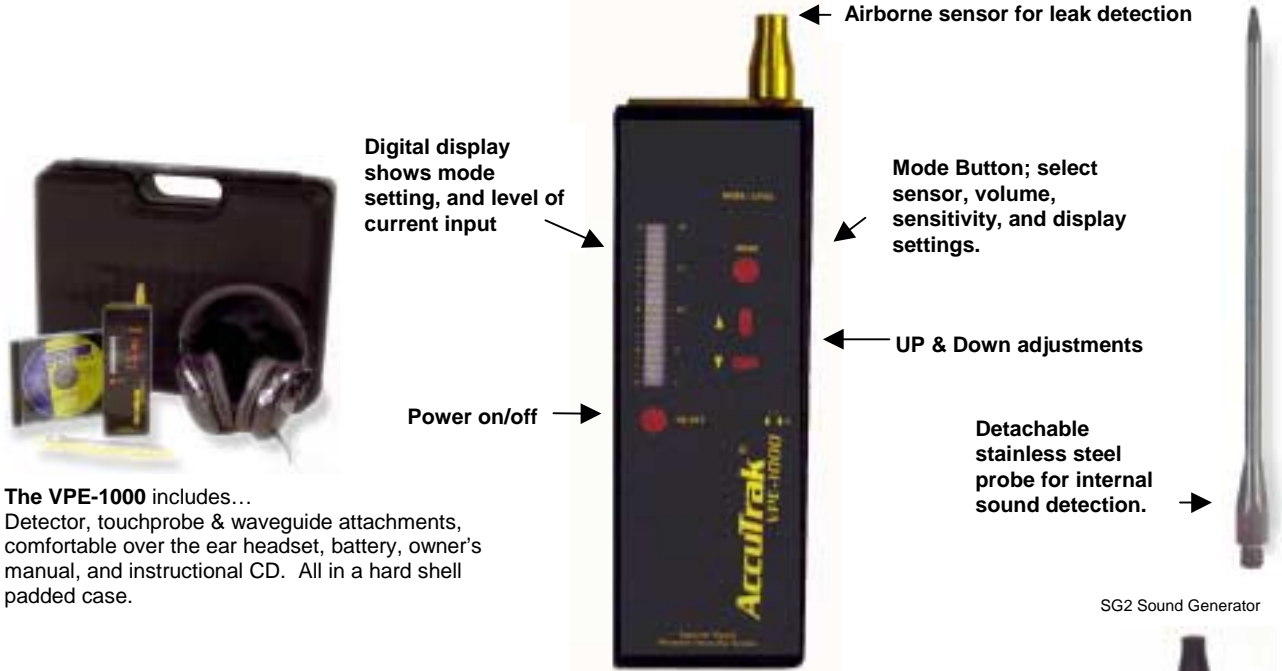
Unbelievable features at an extraordinary price, the VPE-1000 offers...

- **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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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.



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.

| <u>Specifications</u>   |   | <u>Power Requirements</u> |                                 |
|-------------------------|---|---------------------------|---------------------------------|
| <b>Sensitivity</b>      | Airborne Sensor: -80dB/v/mbar<br>Contact Sensor: -12x10 <sup>-3</sup> v-m/N | Battery:                  | 9-volt cell                     |
| <b>Frequency Ranges</b> |   | Low Battery Indicator:    | Flashing "BATT" in display      |
| Airborne Sensor:        | 36kHz to 42kHz, center  | Battery Life:             | 8 hrs.                          |
| Touchprobe Sensor:      | 18kHz to 22kHz, center  | <b>Physical</b>           |                                 |
| <b>Displays</b>         |   | Size:                     | 7.06" x 2.39" x .84"            |
| LED Bargraph:           | Intense 20 element with peak-hold, Alphanumeric: 4 element                  | Weight:                   | 0.60 lbs.                       |
| <b>Modes</b>            | Volume, Sensitivity, Peak-Hold, Sensor Select and more.                     | 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