SON OF A GUN! ULTRAPROBE® 100
Ultrasonic Inspection System...

Know where Your Money is Going
Compressed Air Leaks Cost,
Steam Leaks Cost,
Machinery Failure Costs...

Ultraprobe 100 Saves !!!

Sensing ultrasonic emissions produced by operating equipment, electric discharges and leaks, the amazing Ultraprobe 100 finds potential problems long before they become major headaches.

How Ultrasonic Technology Works for You
The Ultraprobe senses high frequency sounds produced by operating equipment, leaks and electrical discharges. It electronically translates these signals by heterodyning them down into the audible range so that a user can hear these sounds through a headset and see them as intensity increments on the meter. Heterodyning works the same as a radio in that it accurately transforms the sounds so that they are easily recognized and understood.

The advantage of Ultrasound technology is simple to understand. Ultrasound is a high frequency, short wave signal. When compared with the sounds we humans can hear, the size of the sound waves are extremely small. This property provides advantages:

- Ultrasound is very directional
- Ultrasound can be easily blocked or shielded
- Ultrasound instruments can be used in noisy environments
- Ultrasound changes provide early warning of potential problems
- Ultrasound Instruments are easy to use
**ULTRAPROBE® 100**

**Available Kits & Ordering Information**

It's easy to find the right Ultraprobe 100 for your application.

### UE Systems ULTRAPROBE 100 Series Application Selection Chart

<table>
<thead>
<tr>
<th>Application</th>
<th>Kit #</th>
<th>UP100KT</th>
<th>UP100SC</th>
<th>UP100STG</th>
<th>UP100S</th>
<th>UP100C</th>
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<tbody>
<tr>
<td>Pressure &amp; Vacuum Leak Detection</td>
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<td>Exhaust System Leaks</td>
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<td>Gear/Gear Box Inspection</td>
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<td>Wind Noise/Water Leaks</td>
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<td>General Mechanical Inspection &amp; Trouble Shooting</td>
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<td>Tanks, Pipes, Leak Testing, etc.</td>
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### AVAILABLE ACCESSORIES

(Call, Fax or Email for information)

- Holster Set
- Liquid Leak Amplifier (ultrasonic bubble test for low level leaks)
- Stethoscope Extension Kit
- Speaker Amplifier
- Specialized Tone Generators (Used instead of pressure test, transmits ultrasound through a leak, Fast & Easy)
- Video Training Tapes
- DHC-2H Deluxe Noise Isolating Headset
- LRM-1 Long Range Module

### ULTRAPROBE 100 Specifications

**Construction:**
Hand-held ABS pistol type ultrasonic processor, stainless steel sensor enclosures

**Circuitry:**
SMD / Solid State hybrid heterodyne receiver

**Frequency Response:**
Peak response: 36 - 44 KHz

**Indicator:**
10 segment LED Bar Graph (red)

**Sensitivity Selection:**
8 position precision attenuation

**Power:**
9 Volt Alkaline Battery

**Low Battery Voltage Indicator:**
LED

**Headset:**
Weight: 2.5 oz. Operating Temperature Range: -22°F to 167°F (-30°C to 75°C)

**Probes:**
Scanning Module (SCM-1) Stainless Steel Unisonic (single transducer) piezo electric crystal type; Stethoscope/Contact Module (STM-1) Stainless Steel plug-in type with 3.5" Stainless Steel Waveguide.

**Rubber Focusing Probe:**
Shields stray ultrasonic signals & focuses detected signals.

**Transmitter:**
Patented warble tone transmission

**Response Time:**
300 msec.

**Ambient Operating Temperature Range:**
32° - 120°F (0° - 50°C)

**Relative Humidity:**
10-95% non-condensing at up to 86°F (30°C)

**Storage Temperature:**
0° - 130°F (18° - 54°C)

**Warranty:**
1 year parts/labor standard. (Details available on request) 5 years upon completed registration form

**Dimensions:**
6.56" x 2" x 8" (13.3 x 5 x 20.3 cm)

**Weight:**
11 oz (3 kg)

**Carrying Case:**
Nylon Cordura soft carrying case

Covered by one or more of the following patents: 4416145, EP0151115, 502674183 additional patents pending.

UE Systems is committed to continual product improvement therefore specifications are subject to change without notice. Warranty details are available by request.