



Increasing Productivity Through ULTRASOUND
Since 1973



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Plant Engineering Product of the Year Nominee

SON-OF-A-GUN!

ULTRAPROBE[®] 100 ULTRASONIC INSPECTION SYSTEM

HOW ULTRASONIC TECHNOLOGY WORKS FOR YOU

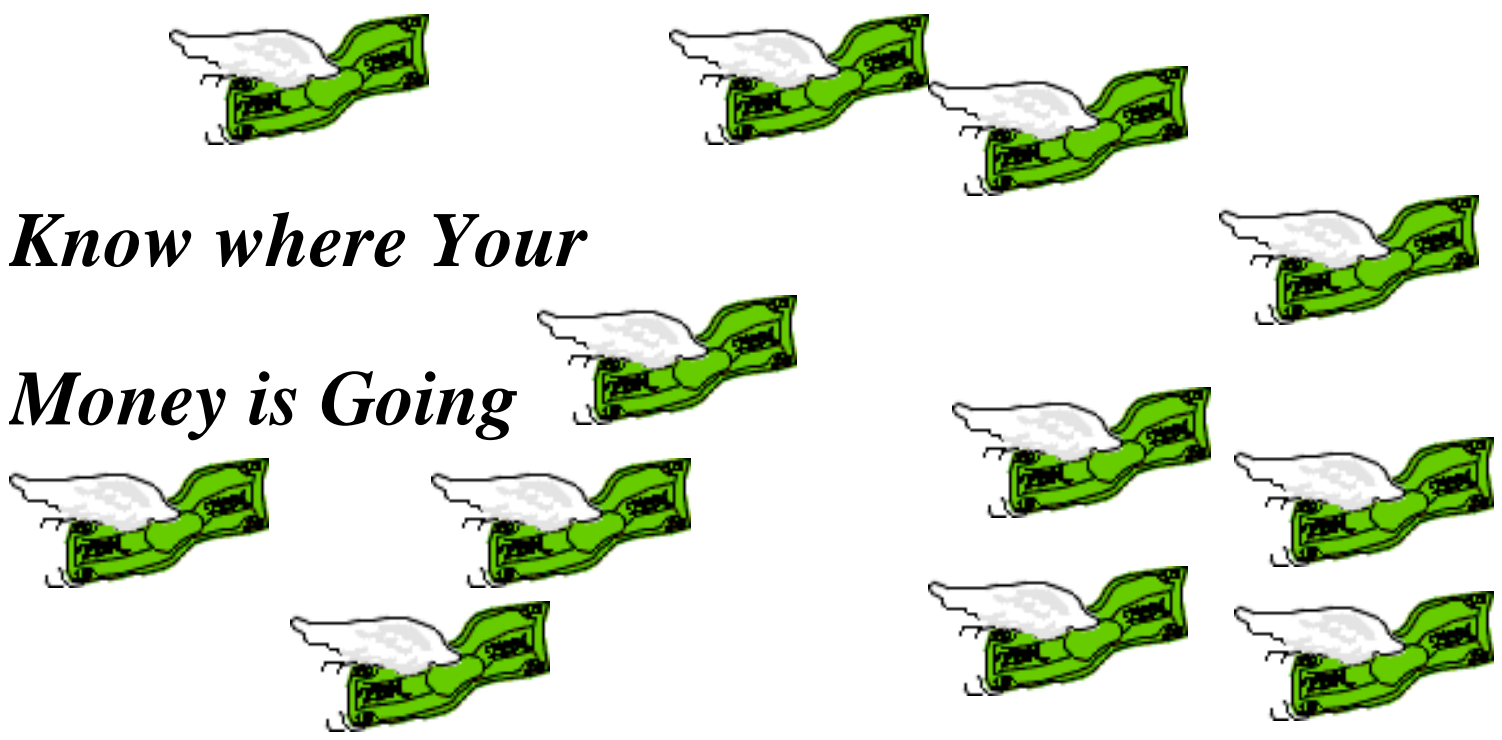
The Ultraprobe senses high frequency sounds produced by operating equipment, leaks and electrical discharges. It electronically translates these signals by heterodyning them down into the audible range so that a user can hear these sounds through a headset and see them as intensity increments on the 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:



1. Ultrasound is very directional
2. Ultrasound can be easily blocked or shielded
3. Ultrasound instruments can be used in noisy environments
4. Ultrasound changes provide early warning of potential problems
5. Ultrasound instruments are easy to use

*Know where Your
Money is Going*



UE SYSTEMS ULTRAPROBE 100 SERIES APPLICATION SELECTION CHART

Application/Kit #	<u>UP100KT</u>	<u>UP100SC</u>	<u>UP100STG</u>	<u>UP100S</u>	<u>UP100C</u>
<u>Pressure and Vacuum Leak Detection</u>	✓	✓	✓	✓	
<u>Valve Seat Leak Detection</u>	✓	✓			✓
<u>Exhaust System Leaks</u>	✓	✓	✓	✓	
<u>Heat Exchangers, Boiler, Condensers</u>	✓	✓	✓	✓	
<u>Steam Trap Inspection</u>	✓	✓			✓
<u>Bearing Testing</u>	✓	✓			✓
<u>Gear/Gear Box Inspection</u>	✓	✓			✓
<u>Wind Noise/Water Leaks</u>	✓		✓		
<u>General Mechanical Inspection and Troubleshooting</u>	✓	✓			✓
<u>Tanks, Pipes, etc. Leak Testing</u>	✓	✓	✓	✓	
<u>Electrical Inspection</u>	✓	✓	✓	✓	

AVAILABLE ACCESSORIES



What it means to be an ULTRAPROBE

When UE SYSTEMS introduced the first Ultraprobe to the world, it immediately changed the course of conventional inspection and predictive maintenance procedures. Current methods of ultrasonic leak detection, mechanical inspection and electrical inspection were all pioneered and perfected through this remarkable instrument. As it has evolved through the years, the name ULTRAPROBE continues to shine as the leading example of advanced technology and assured quality. When you see the name ULTRAPROBE, you can be assured of product reliability, technological excellence and total product support.

*The **ue** Group*



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