

UltraPro AG500 Ultrasonic Leak Detector/Stethoscope

The **UltraPro AG500** is a powerful ultrasonic leak detector and electronic stethoscope for use in construction, maintenance, manufacturing or wherever precision gaseous leak detection or diagnostics are required.

Ultrasound is composed of high-frequency sound waves above the range of human hearing. **UltraPro** uses this technology to sense frequencies ranging from 36 to 44 kilohertz, which are electronically translated down into the audible range. Predictive maintenance uses airborne/structure-borne ultrasound technology to locate leaks in any gaseous systems and to troubleshoot bearings, injectors, solenoid or valve operations. **UltraPro** features a unique automatic gain control which automatically filters the signal to provide the best signal-to-noise ratio, suppressing background noise and pinpointing leaks. The **UltraPro** circuit simplifies operation, removing complicated adjustment knobs and filter switches. **UltraPro** offers superior electronics with rugged industrial packaging and a protective rubberized case in a simple-to-use ultrasonic meter.



Features

- Automatic gain control
- Simple operation
- 10 element LED bar graph display
- Industrial rubber holster
- Air and contact probes
- Audio output headphone jack with volume control
- Over head and ear-bud headphones included

Common Applications

- Steam trap inspection
- Vacuum/Air leaks
- Bearing/Valve inspection
- Pressure leaks
- Inspection of seals

Specifications

Circuitry:	Solid State - No calibration required
Power:	9 volt batteries (supplied)
Battery Life:	20 hours continuous use (typical)
Display:	10 Element LED bar graph
Frequency Response:	36-44 kHz
Audio Output:	0-4 kHz (3.5mm audio phone plug connector)
Construction:	ABS Plastic with aluminum and rubber holster
Dimensions:	Receiver: 4.0" W x 1.0" D x 6.0" L (10.2 x 2.5 x 15.2cm)
Weight:	UltraPro receiver: 8 oz. (226.8g), System: 1.7 lbs (771.1 g)
Operating Temp. Range:	50 to 140°F (10 to 60°C)



Tone Generator

The included Tone Generator provides a continuous tone source of 40kHz. It effectively allows you to "pressurize with noise". It is capable of 155 dB and transmits up to 40 feet. Ideal for locating seal leakage on enclosed vessels, tanks, buildings and vehicles.



Use the contact probe to listen to bearings, gear boxes, valves, steam traps etc. Easily compare noise levels between like objects.



Locate pin-hole leaks up to 10 feet away. Find pressurized or vacuum leaks on all types of gases such as air, Freon, nitrogen, propane, etc.



Place the Tone Generator inside vehicle, closed vessel, container or building to locate leaking seals and gaskets.

UltraPro AG500 System



Ordering Information

Item	Description	Part No.
Ultra Pro AG500	Ultrasonic leak detector system includes: Meter, 2 sets of headphones, Tone Generator, 9V batteries, wave guide, contact probe and padded carrying case.	7830-0901