ULTRAPROBE 100

Analog Ultrasonic Inspection System
Saves Money, Energy and Time!



The Ultraprobe® 100 is a practical tool for any leak detection, steam trap inspection or mechanical trouble-shooting program. Simple to use — find compressed air and steam leaks and prevent machinery failure with this unique instrument.

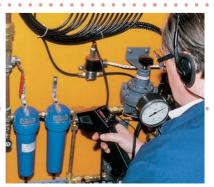
Why Ultrasound Technology is the smart approach to inspection:

- Ultrasound is very directional and localized
- Ultrasound can be easily blocked or shielded
- Ultrasound instruments can be used in noisy environments
- Changes in Ultrasound provide early warning of potential problems
- Ultrasound instruments are easy to use!



Ultraprobe 100 testing pump valve leaks

The Ultraprobe 100 features an 8-position sensitivity dial with decibel indications. In addition, it features an LED bar graph display in which each LED equals approximately 3 dB—ideal for calculating decibel levels.



Pneumatic testing



Tests steam traps



ULTRAPROBE® 100 KIT



Ultraprobe® 100 KIT

UP100KT

Ultraprobe 100 Kit

- UP 100 Pistol with LED Bar Graph Meter
- 8 Position Sensitivity Selection
- Scanning Module
- Rubber Focusing Probe
- Stethoscope Module
- Warble Tone Generator (WTG-1) with Battery Recharger
- Lightweight "Walkman"-Style Headset
- 9 Volt Alkaline Battery (Replaceable)
- Nylon Cordura Soft Carrying Case
- Comprehensive Instruction Manual

UP100SC

Ultraprobe 100

Stethoscope/Scanner Kit

Includes scanning module & stethoscope module.

UP100S

Ultraprobe 100 Scanner Kit

Includes scanning module & rubber probe.

UP100C

Ultraprobe 100 Stethoscope Kit

Includes contact module.





Application Selection Chart

APPLICATION	KIT#	UP100KT	UP100SC	UP100S	UP100C	
Pressure & Vacuum Leak Detection		~	V	V		
Valve Seat Leak Detection		~	/		V	
Exhaust System Leaks		~	/	/		
Heat Exchangers, Boilers, Condensers		V	V	/		
Steam Trap Inspection		~	/		V	
Bearing Testing		V	V		V	
Gear/Gear Box Inspection		~	V		V	
Wind Noise/Water Leaks/Hatches		V				
General Mechanical Inspection						
& Trouble Shooting		~	✓		✓	
Tanks, Pipes, Leak Testing, e	etc.	V	/	/		
Electrical Inspection		V	V	V		

Available Accessories (Call, fax or e-mail 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!*)
- 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 Peak response: 36-44 kHz Response: Indicator: 10 segment LED Bar Graph (red) Sensitivity 8 position precision attenuation

Selection: Power: 9 Volt Alkaline Battery

Low Battery Voltage Indicator: LED

Headset: Weight: 2.5 oz.

Operating Temperature Range: -22° to 167° F (-30° to +75° C) Cable: 48" shielded

Cable Pull: 20 lbs. Frequency Range: 300 to 3000 Hz

Impedance: 150Ω Molded Connector

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 5.5", Stainless Steel Waveguide

Rubber Focusing Probe Shields stray ultrasonic signals and focuses detected signals

Transmitter: Patented warble tone transmission

Response time: 300 msec

Ambient Operating

32°-120° F (0-50° C) Temperature

Range:

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

Storage 0°-130° F (18°-54° C)

Temperature:

Warranty: 1-year parts/labor standard, (details available on request).

5 years with completed warranty registration card.

Dimensions: 5.25" x 2" x 8" (13.3 x 5 x 20.3 cm)

Weight: 11 oz (.3 kg)

Carrying Case: Nylon Cordura soft carrying case

Ultraprobe 100 Kit: Meets and exceeds ASTM E1002-2005 requirements for Leak Detection.

Covered by one or more of the following patents: 0151115; 0303776; 0315199; 1206586; 1297576; 1881263; 2562758; 2689339; 4416145; 4823600; 5955670; 6122966; 6339961; 6341518; 6415645; 6655214; 6707762; 6804992

UE Systems is committed to continual product improvement; therefore specifications are subject to

change without notice. Warranty details are available by request.