ULTRAPROBE® 100

Efficient ultrasonic leak detection & valve testing for saving energy, time & money

The Ultraprobe® 100 is a practical tool for any leak detection, steam trap inspection or mechanical troubleshooting 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!

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.

Test steam traps

UP100KT
Ultraprobe® 100 Kit

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

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.

Available Optional Accessories
- 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 ultra-sound through a leak – *Fast & Easy!*)
- DHC-2H Deluxe Noise Isolating Headset
- LRM-1 Long Range Module

Long range module

Application Selection Chart

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

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	Noise isolating type: Double headset wired monophonic. Impedance, 16 ohms. Over 23 dB of noise attenuation. Meets or exceeds ANSI specifications and OSHA standards. For hard hat use.
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 14 cm (5.5"), Stainless Steel Waveguide **Rubber Focusing Probe** Shields stray ultrasonic signals and focuses detected signals
Transmitter	Patented warble tone transmission
Respons time	Response time: 300 msec
Ambient Operating Temp. Range	0 - 50 °C (32 °F - 120 °F)
Relative Humidity	10-95% non-condensing at up to 30 °C (86 °F)
Storage Temperature	18 °C - 54 °C (0 °F - 130 °F)
Warranty	1-year parts/labor standard, (details available on request) 5 years with completed warranty registration card
Dimensions	13.3 x 5 x 20.3 cm (5.25" x 2" x 8")
Weight	0.3 kg (11 oz)
Carrying Case	Nylon Cordura soft carrying case

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