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DATA-SHEET



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WHY BUY
WHEN YOU CAN HIRE



"Your Direct source for Plant reliability, Maintenance, Test & Measurement"

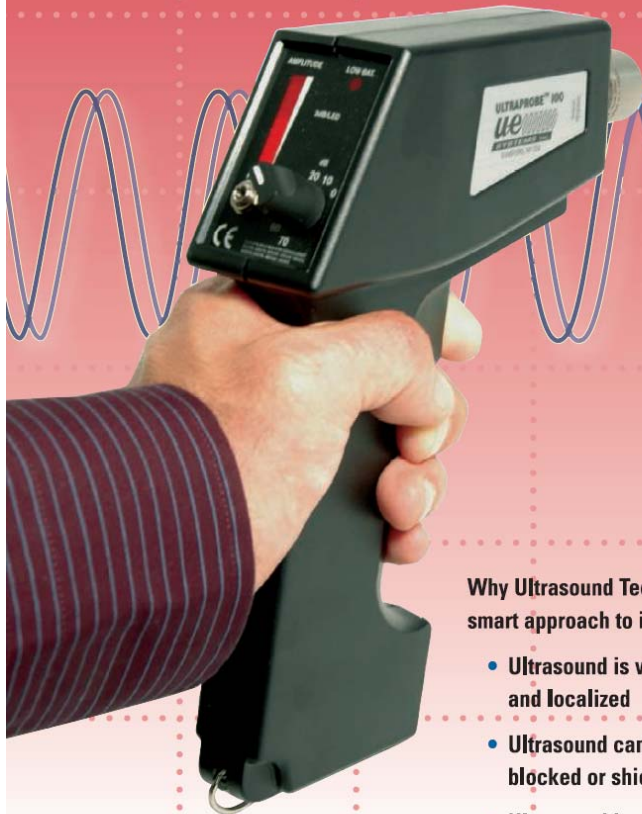
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ULTRAPROBE® 100

Analog Ultrasonic Inspection System

Saves Money, Energy and Time!



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 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.



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

ue
SYSTEMS INC
The *ultrasound* approach

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		✓	✓	✓	
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		✓	✓	✓	

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

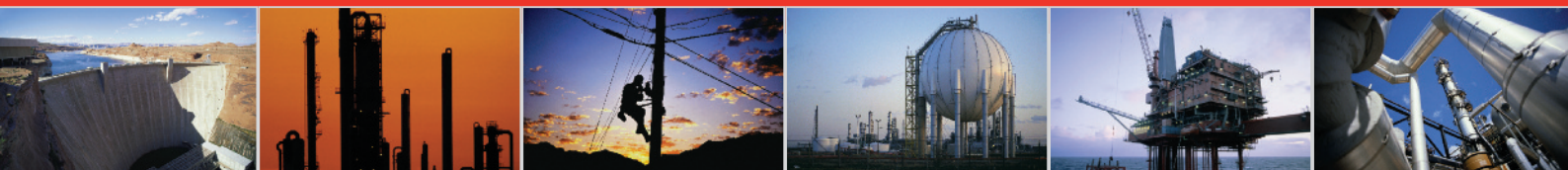
Construction:	Hand-held ABS pistol type ultrasonic processor, stainless steel sensor enclosures
Circuitry:	SMD/Solid State hybrid heterodyne receiver
Frequency Response:	Peak response: 36-44 kHz
Indicator:	10 segment LED Bar Graph (red)
Sensitivity Selection:	8 position precision attenuation
Power:	9 Volt Alkaline Battery
Low Battery Voltage Indicator:	LED
Headset:	Weight: 2.5 oz. Operating Temperature Range: -22° 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 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 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

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Top quality equipment from major manufacturers.

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We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

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We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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