ULTRAPROBE® 9000

Digital Ultrasonic Inspection System with the feel of Analog...versatile and easy to operate!

58dB   40KHz

Sensitivity   Store   Phones

The Ultraprobe® 9000 is a digital ultrasonic inspection, information, storage and retrieval system that's versatile and easy to use (most operators learn within 15 minutes!). This Ultraprobe will help move you through inspections quickly. Whether used for trouble-shooting or a pre-planned route, data is easily viewed on the display panel and stored with the push of a button.

The easy-to-read display panel offers calibrated decibel readout and a

58dB   40KHz

Scale is in calibrated decibels traceable to NIST

16-segment bar graph, which instantly registers sound intensity changes and simultaneously registers peak hold as you scan.

The Ultraprobe 9000 engineering combines the best of both worlds:
- Scans as quickly as with analog instruments
- Uses the digital information to store and trend

On board data logging utilizing **Ultratrend DMS™ (Data Management System)** provides:
- Multiple data views
- History table/spread sheets
- Trend charts
- Export files to MS Excel
- Flexibility as never before!

UE Systems' unique Spin and Click™ technology makes sophisticated inspection simple and quick!

You'll be amazed at how much you can accomplish with only 2 controls. By just **"spinning"** and **"clicking"** you can:

- Locate and identify potential problems
- Store data
- Change frequency and sensitivity quickly
- Download data via RS232 output
- Adjust basic operation modes
- Select "snap shot" function...and more!

ue SYSTEMS INC
The *ultra*sound approach

ULTRAPROBE® 9000 FEATURES:

- **Open Platform Software**
- **Interchangeable Modules**
- **Frequency Tuning**
- **Spin and Click™ Technology**
- **Ultratrend Sound Filtration**
- **120 dB Dynamic Range**
- **Acoustic Isolating Headphones**
- **Environmentally friendly rechargeable batteries**
- **Easy interface for most Vibration Analyzers including SKF, ENTEK, DLI, CSI, DI**

Test bearing condition

Detect air leaks

Inspect steam traps

Typical Ultraprobe Applications

Data Based Mechanical Inspection/Trending
- **Bearing Conditions**
- **Rubbing Conditions**
- **Cavitation**
- **Gears/Gear Boxes**
- **Pumps/Motors**
- **Lack of Lubrication**

Data Based Leak Detection/Energy Audits
- **Compressed Air**
- **Compressed Gases (O_2, NO, etc.)**
- **Vacuum Leaks**
- **Seals and Gaskets**
- **Condenser Tubes**
- **Cockpit Windows**
- **Hatches**
- **Boilers**
- **Heat Exchangers**
- **Valves**
- **Steam Traps**

Data Based Electrical Inspection
- **Arcing**
- **Tracking**
- **Corona**
- **Switchgear**
- **Transformers**
- **Insulators**
- **Relays**
- **Bus Bars**

GSA Listed

CE

ULTRAPROBE® 9000 Specifications

Construction:	Hand-held pistol type made with coated aluminum and ABS plastic
Circuitry:	Solid State SMD Digital Circuitry with temperature compensation
Frequency Range:	20 kHz to 100 kHz (tunable in 1 kHz increments)
Response Time:	< 10 ms
Display:	16 x 2 LCD with LED Backlight
Memory:	400 storage locations
Battery:	NiMH Rechargeable
Operating Temperature:	32°F to 122°F (0°C to 50°C)
Outputs:	Calibrated heterodyned output, decibel (dB) frequency, RS-232 data output
Probes:	Trisonic Scanning Module and Stethoscope Module
Headset:	Deluxe noise attenuating headphones for hard hat use
Indicators:	dB, Frequency, Battery Status and 16 Segment Bar Graph
Sensitivity:	Detects .005" (.127 mm) diameter leak @ 5psi (.34 bar) at a distance of 50 ft. (15.24 m)
Threshold*:	1×10^{-2} std. cc/sec to 1×10^{-3} std. cc/sec
Dimensions:	Complete kit in Zero Halliburton aluminum carrying case 18.5" x 14.5" x 6.5" (47 x 37 x 17 cm) Pistol Unit: 2 lbs. (.9 kg) Complete carrying case: 14 lbs. (6.4 kg)
Weight:	2 lbs. (1 kg)
Warranty:	1-year parts/labor standard, 5 years with completed warranty registration card.
Display Modes:	Real Time, Snap Shot, Peak Hold and Storage Display

*depends on leak configuration
Ultraprobe 9000 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.

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The *ultrasound* approach

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