

# ULTRAPROBE® 9000

Digital ultrasonic inspection system for predictive maintenance with easy software reporting tools

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 troubleshooting or a pre-planned route, data is easily viewed on the display panel and stored with the push of a button.



Scale is in calibrated decibels traceable to NIST

The easy-to-read display panel offers calibrated decibel readout and a 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 USB output
- Adjust basic operation modes
- Select "snap shot" function... and more!





### 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

### 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 (O2, 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

### Ultraprobe® 9000 Specifications

<b>Construction</b>	Hand-held pistol type made with coated aluminum and ABS plastic
<b>Circuitry</b>	Solid State SMD Digital Circuitry with temperature compensation
<b>Frequency</b>	20 kHz to 100 kHz (tunable in 1 kHz increments)
<b>Response Time</b>	< 10 ms
<b>Display</b>	16 x 2 LCD with LED Backlight
<b>Memory</b>	400 storage locations
<b>Battery</b>	NiMH Rechargeable
<b>Operating Temperature</b>	0 °C to 50 °C (32 °F to 122 °F)
<b>Outputs</b>	Calibrated heterodyned output, decibel (dB) frequency, USB data output
<b>Probes</b>	Trisonic Scanning Module and Stethoscope Module
<b>Headset</b>	Deluxe noise attenuating headphones for hard hat use
<b>Indicators</b>	dB, Frequency, Battery Status and 16 Segment Bar Graph
<b>Sensitivity</b>	Detects 0.127 mm (0.005") diameter leak @ 0.34 bar (5 psi) at a distance of 15.24 m (50 ft.)
<b>Threshold</b>	1 x 10 <sup>-2</sup> std. cc/sec to 1 x 10 <sup>-3</sup> std. cc/sec
<b>Dimensions</b>	Complete kit in Zero Halliburton aluminum carrying case 47 x 37 x 17 cm (18.5" x 14.5" x 6.5") Pistol Unit: 0.9 kg (2 lbs.) Complete carrying case: 6.4 kg (14 lbs.)
<b>Weight</b>	1 kg (2 lbs.)
<b>Warranty</b>	1-year parts/labor standard, 5 years with completed warranty registration card.
<b>Display Modes</b>	Real Time, Snap Shot, Peak Hold and Storage Display *depends on leak configuration **specify Ex rating if needed at time of order



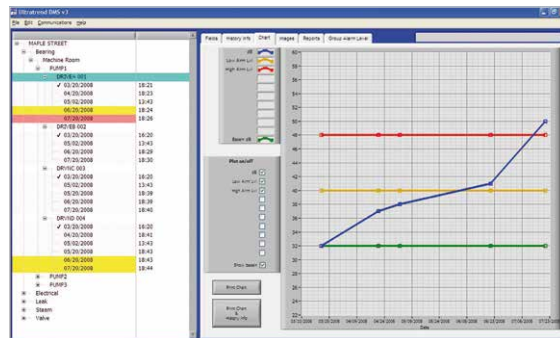
Stethoscope module



Long range module



Close focus module



DMS - Data Management Software



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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.