# 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 trouble-shooting 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

| | |
|---|---|
| **Construction** | Hand-held pistol type made with coated aluminum and ABS plastic |
| **Circuitry** | Solid State SMD Digital Circuitry with temperature compensation |
| **Frequency** | 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** | 0 °C to 50 °C (32 °F to 122 °F) |
| **Outputs** | Calibrated heterodyned output, decibel (dB) frequency, USB 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 0.127 mm (0.005") diameter leak @ 0.34 bar (5 psi) at a distance of 15.24 m (50 ft.) |
| **Threshold** | $1 \times 10^{-2}$ std. cc/sec to $1 \times 10^{-3}$ std. cc/sec |
| **Dimensions** | 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.) |
| **Weight** | 1 kg (2 lbs.) |
| **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
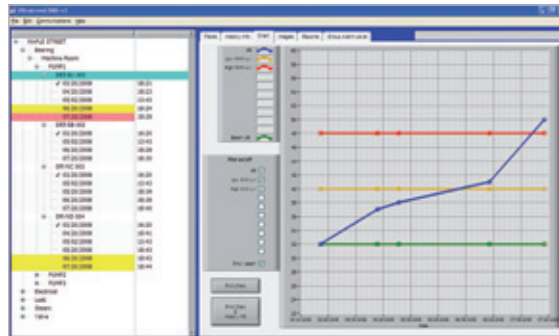
**specify Ex rating if needed at time of order

*Stethoscope module*          *Long range module*          *Close focus module*

*DMS - Data Managment Software*

CE  FM APPROVED  ⟨Ex⟩**

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