

# ULTRAPROBE® 9000 WNWL

## Digital Ultrasonic

### Wind-Noise Water-Leak Detection Kit

For Fast Through-Put, Accurate, Repeatable Test Results

The Ultraprobe 9000 WNWL locates sources of wind-noise

and water-leaks as easily

as 1, 2, 3.



**1** Place the Warble Tone Generator on the windshield.



**2** Close windows, shut doors.



**3** Scan and Detect.

**NO Fuss, NO Mess, NO Water!**

**Ultraprobe Ultrasound Inspection makes it SIMPLE & QUICK.**

#### Here's how simple the test is.

A specially designed ultrasonic transmitter called a "Tone Generator" is attached to the windshield via a suction cup mount. The windows are rolled up and the doors closed. The ultrasound will follow the path of least resistance through a weakness in a seal. Sensing only a narrow range of ultrasound transmitted by the tone generator, the Ultraprobe 9000 pistol "hears" these sounds and translates them down into the audible range where they are heard through headphones and viewed as decibels on a display panel. Extremely directional in nature, ultrasound is

loudest at the point of emission. By scanning along the windshield or door seam, sources of wind noise and water leaks are quickly located.

#### Digital accuracy lets you read actual decibel levels

Specific sites along the cabin and windshield can be assigned "pass-fail" decibel levels which can be recorded and documented.

The Ultraprobe 9000 WNWL can datalog up to 400 readings which are downloaded to a PC for record keeping and evaluation purposes.



# There are three components to the ULTRAPROBE® 9000 WNWL KIT



## 1 The UFMTG 1991 Multi-directional Tone Generator

This powerful transmitter contains four transducers that generate UE Systems patented Warble Tone in a 360°, spherical pattern to provide maximum, uniform ultrasound in the vehicle. The warble tone eliminates the possibility of standing waves which can lead to false test results. The UFMTG 1991 has a suction cup mount that conveniently allows for quick mount/dismount from the windshield.



## 2 Close Focus Scanning Module

The Close focus Module has a specially designed receiving end for close-up scanning. A quick sweep of the test area will reveal any sonic penetration from the Multi-Directional Tone Generator. By following the sound to the loudest point, the Close Focus Module will locate the exact spot.



## 3 Ultraprobe 9000 Digital Ultrasonic Translator

The lightweight, digital Ultraprobe 9000 senses the ultrasounds produced by the UFMTG 1991. Engineered from years of experience in automotive, truck and aircraft manufacturing plants, it incorporates all the features quality control and production engineers require: simplicity of use, coupled with a wide sensitivity range, reliability, repeatability, durability and decibel readout.

### ULTRAPROBE 9000 WNWL Specifications

<b>Construction:</b>	Hand-held pistol type made with coated aluminum and ABS plastic
<b>Circuitry:</b>	Solid State Analog and SMD Digital Circuitry with temperature compensation
<b>Frequency Range:</b>	36 KHz to 44 KHz. Frequencies are converted to 100-3000 Hz audio
<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>	32°F to 122°F (0°C to 50°C)
<b>Output(s):</b>	Calibrated heterodyned output, decibel (dB), frequency, RS-232 data output
<b>Probes:</b>	Scanning Module: Close Focus + Rubber Focusing Probe
<b>Headset:</b>	Lightweight headphones
<b>Indicators:</b>	dB, Frequency, Battery Status, and 16 Segment Bar Graph
<b>Dimensions:</b>	Complete kit in zero haliburton aluminum carrying case 15" x 22" x 7" (38.1 x 55.9 x 17.8 cm)
<b>Weight:</b>	Pistol Unit: 2 lbs. (.9 kg) Complete carrying case: 14 lbs. (6.4 kg)
<b>Warranty:</b>	1 year parts/labor
<b>Tone Generator:</b>	Patented multi-directional warble tone transmission with suction cup mount

UE Systems has a policy of continual product improvement therefore specifications are subject to change without notice.

## Alpine Components

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