

ULTRAPROBE® 2000

Analog Ultrasonic Detection System



The ULTRAPROBE 2000 allows accurate leak detection in compressed air systems.

The ULTRAPROBE 2000 is sensitive only to ultrasonic frequencies, the Ultraprobe 2000 will not respond to the low frequency noises often associated with most plant equipment. The ULTRAPROBE can be effectively utilized in extremely loud environments.

Airborne Applications including:

Vacuum Leaks/ Welds/ Substations/ Heat Exchangers/ Seals/
Pumps Tanks Air Brakes/ Gaskets/ Pressure Leaks (all types)
Electrical Arc (including CORONA)/ Caulking (air infiltration)
Wind Noise Problems/

Junction Boxes

ULTRAPROBE® 2000 SPECIFICATIONS

CONSTRUCTION:

Hand held metered pistol type made with anodized aluminum and ABS plastic

FREQUENCY RESPONSE:

Detect ultrasonic frequencies between 20 kHz and 100kHz, continuously variable. Frequencies are converted to 100 Hz to 3 kHz audio.

PROBES:

Scanning Module: patented TRISONIC plug-in type consisting of a phased array of multiple transducers for airborne ultrasound. This probe is shielded against RF interface.

Rubber Focusing Probe (flexible) slips over scanning module to concentrate conical directivity and to shield reception of stray ultrasound. Also fits over Stethoscope Module to shield against high ambient ultrasound while unit is at maximum sensitivity.

Stethoscope Module: plug-in type, insulated probe with RF shielding; 4 1/2" (11.4 cm) long steel probe tip, conically shaped for uniform surface contact. Probe tip is interchangeable. Stethoscope Extension Kit: 3 piece, segmented metal rods to increase stethoscope contact range 20" (50.8 cm) and 31" (76.2 cm).

HEADSET:

Noise isolating type: double headset wired monophonic, impedance, 16 ohms. Over 23 dB of noise attenuation. Meets or exceeds ANSI specification and OSHA standards.

INDICATORS:

Ballistic output meter: linear calibration scale of 0-100 for logging relative measurements. Meter is accurate 1% throughout entire scale. Low-level Battery LED indicator for main housing internal power supply.

BATTERIES:

Self contained nickel-cadmium rechargeable. RECHARGING SYSTEM: Standard 110V. Also available in 220V.

FEATURES:

Frequency tuning adjustment dial: Scale 20-100 kHz with "fixed band" positions for ultra-narrow frequency response.

SENSITIVITY: Detects .005" (.127 mm) dia. leak @ 5 psi (.34 bar) at a distance of 50 ft (15.24 m).