

ULTRASONIC LEAK DETECTOR

ULTRASONIC LEAK DETECTOR DESIGNED FOR USE IN AREAS OF LOW TO MODERATE BACKGROUND NOISE LIKE R & D / Q.C. LABORATORIES, HOSPITALS, ENGINEERING COLLEGES, COMMERCIAL ESTABLISHMENTS, REPAIR SHOPS, ETC.



USL - 10

ULTRASONIC AIR / GAS LEAK DETECTOR

The USL-10 is an economical, handheld detector that offers high sensitivity and great sound quality in a compact package. It represents the state of the art in ultrasonic technology for leak detection and preventive maintenance. It is extremely sensitive to the ultrasonic sound of turbulence and friction that is associated with costly equipment faults.

Using a technique called 'heterodyning', the USL-10 translates the otherwise inaudible ultrasound to a lower frequency where it can be heard through a set of headphones as well as identified on a display. It delivers a clear ultrasonic sound reproduction making it possible to distinguish leaks. This is a very versatile leak detector. USL-10 is sensitive only to a specific band of ultrasound, and is not chemical dependent. It can detect any gas (refrigerants, CNG, compressed air, nitrogen, vacuum and more) and doesn't false alarm from stray gases. It is not affected by wind, sunlight or sudden temperature changes and does not require sensor replacement or calibration.

SPECIAL FEATURES

- Handy & light weight
- Low cost, light industrial laboratory applications
- Alphanumeric LCD display
- Frequency range from 40 Khz
- Inbuilt heterodyne sensor
- Headphone with optional spectrum analysis software

APPLICATIONS

- Locates leaks in compressed air, gases and vacuum systems
- Finds the source of bearing and gear wear
- Locates arcing in an electrical system
- Detects refrigeration and air conditioning system leaks
- Locates leaks in breaks systems, tubes, radiators & tires, senses cracks in moving rubber V-belts
- Check condition of engine seals, door seals



*Images for representational purpose only

SPECIFICATIONS

Type	: Portable
Detectable gases / parameters	: Frequency (20 KHz to 100 KHz)
Electronics / processor	: Micro-controller
Power supply	: Rechargeable battery with charger
Display	: Alphanumeric LCD
Technology	: Ultrasonic Frequency Detector
Principle	: Heterodyne
Frequency	: 40 kHz (± 2.5 Hz)
Accuracy	: ± 2 kHz
Response time	: Instantaneous
Operating temperature	: 0 - 55 °C
Sampling / input	: Diffusion
Housing / case	: High impact ABS plastic
Included accessories	: Headphone
Optional accessories	: Spectrum analysis software
Probe	: Airborne for external sound, touch probe for internal sound
Sensitivity	: 65 Db/ubar at 40 kHz
Band Width	: ± 2 kHz
Headset	: Dynamic 32 ohm
Weight	: 175 grams
Dimensions	: (H x L x D)119 x 80 x 25 mm

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process. @ 2018