

ULTRASONIC LEAK DETECTOR

ULTRASONIC SOUND GENERATOR (40 KHz) SUITABLE FOR TESTING ENDEE'S ULTRASONIC AIR / GAS LEAK DETECTORS OF USL (USL-10, USL-100, USL-200) & VPX-WR SERIES



USG - 10

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ULTRASONIC SOUND GENERATOR

USG-10 is compact, handheld device, and it comes with a unique acoustic design of precision probe to check the sensitivity of Ultrasonic Air / Gas Leak Detectors of USL series (USL-10, USL-100, USL-200). It generates ultrasonic noise of the range 40 kHz frequency. By means of the USG-10, leak detectors can be calibrated in the ultrasonic range, in noisy environments.

USG-10 produces the high frequency sound associated with turbulence, friction and arcing in industrial and commercial systems, which can not be heard normally. USG-10 produces ultrasonic sound around 40KHz, that's twice the frequency of the best human hearing. Because USG-10 is focused on a specific band of sound, most normal operational sound like wind, noise, voices, traffic, etc will NOT be interfered. Exact frequency focus of USG-10 allows testing of precise leak detectors, in normal industrial operating conditions. It resembles the frequency of the leaks in compressed air, gases, vacuum systems, critical valve etc. USG-10 leads to increased operational reliability of all the leak detectors, and guarantees a higher degree of precision.

SPECIAL FEATURES

- Handy & light weight
- LED indicator display
- Tuned to produce frequency of 40 kHz range
- Inbuilt crystal oscillator sensor

APPLICATIONS

- It resembles leak frequency in compressed air, gases and vacuum systems
- Emulate the frequency of bearing, gear wear and arcing in an electrical system
- Produces the frequency equivalent to refrigeration and air conditioning system leaks
- Ultrasonic Air/Gas leak detectors of the series UL & VPX-WR can be tested and checked in normal industrial working environment
- Increases the reliability of the leak detectors

SPECIFICATIONS

Type	: Portable / Handheld
Features	: Ultrasonic sound generator (40 KHz) for testing Ultrasonic Leak Detector instruments of the series UL and VPX-WR
Detectable gases / parameters	: Frequency (40 KHz)
Electronics / processor	: Micro-controller
Power supply	: Battery
Display	: LED Indicator
Sensor technology	: Crystal oscillator
Range resolution	: 40 KHz
Accuracy	: ± 2.5 KHz
Response time	: Instantaneous
Operating temperature	: 0 - 55 °C
Housing / case	: Plastic
Included / optional accessories	: N/A
Applications	: Simulator for Leak Detector
Industries	: All / water tanks, enclosed environments, car AC leakage
Frequency control	: Precision crystal oscillator
Output frequency	: 40 kHz (± 2.5 Hz)
Output intensity	: 115 db at 30 cm (nominal)
Dual mode output	: Continuous or burst tone
Probe	: Airborne for external sound
Sensitivity	: 65 Db/ubar at 40 KHz
Band Width	: ± 2 KHz
Weight	: 175 grams
Dimensions	: 166 x 88 x 32 mm

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

Office & Works : D/122, Ansa Industrial Estate, Saki-Vihar Road, Saki-Naka, Andheri (E),
Mumbai - 400 072, Maharashtra, India. | Tel.: +91-22-4295 2180 / 81
Email : sales@endee-engineers.com
Website : www.endee-engineers.com