Metrix+™
Innovative Excellence

ULTRASONIC LEAK DETECTOR

ULD 30

Fast detection of gas or air leaks

Measuring principle

Gas or air leaks usually consists of gas flowing from higher-pressure region to lower one, and when this pressure difference happens through a small opening or a leak, the turbulence created generates an ultrasonic sound. This ultrasonic sound is very directional in nature, and this instrument can be used to pinpoint the exact origin of this sound and subsequently the leak.

Applications

This instrument is designed to locate the source of the ultrasonic emissions generated by gas or air leaks, applicable to detect leaks in refrigeration and air conditioning systems, heating systems, internal leaks in steam transfers, compressed air leaks, tire and tube leaks, engine seals, electrical arcing, bake system, bearing problems. With ultrasonic transmitter, it is applicable to air leaks around door and window gaskets and seals, water leaks in roofs, conduit and pipe identification, door and trunk seals, windshield leaks.

Features

- LED indication and audible tone.
- Audible sound can be identified by internal buzzer or optional external headphones.
- Compact size and simple operation.

Technical Specifications

Model	*Metrix+* ULD 30
Leakage sensitivity indicator	LED display panel & audible tone. (LED display is a relative measurement only. Audible tone is the frequency of the received ultrasonic sound divided by 32).
Frequency response	20kHz ~ 100kHz
Power supply	4 x 1.5V AAA (UM-4) batteries
Power consumption	Approx. DC 25mA
Operating conditions	Temperature : 0 ~ 50°C, Humidity : <= 80% RH
Size and weight	236 x 63 x 26mm, approx. 140g(incl. batteries)