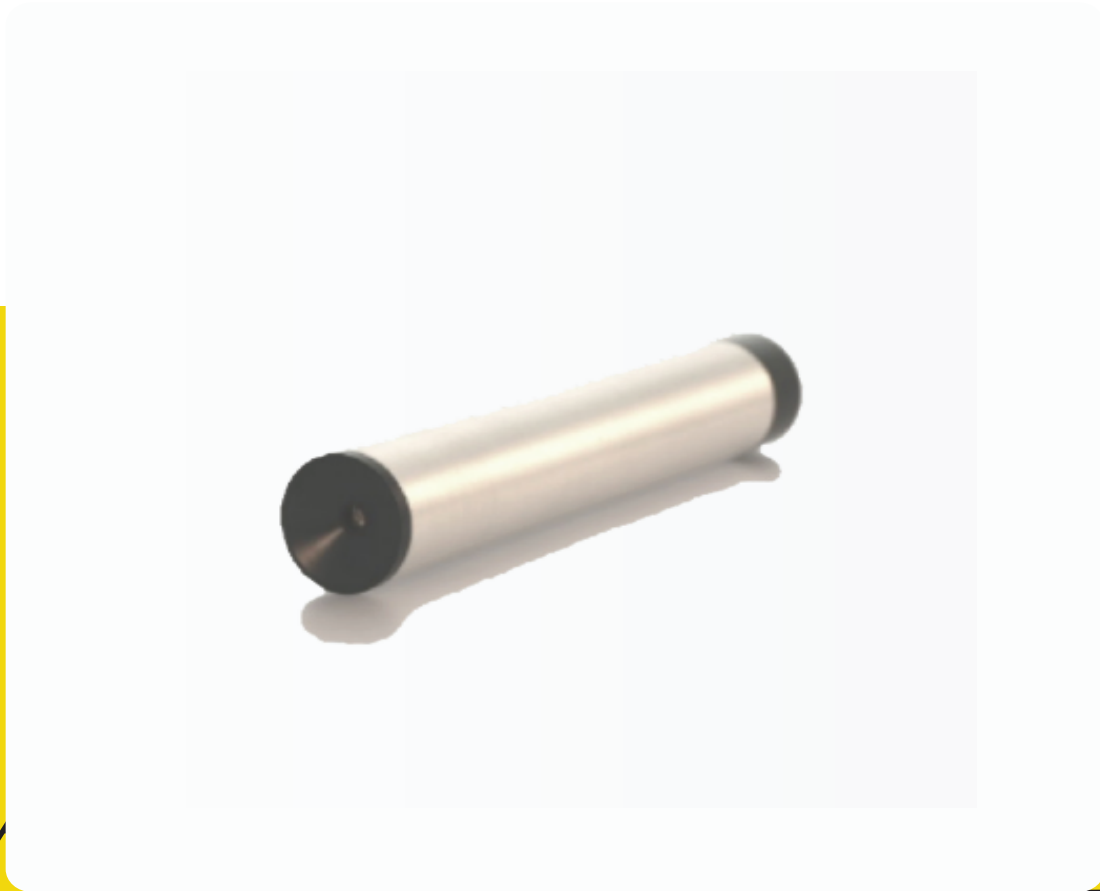
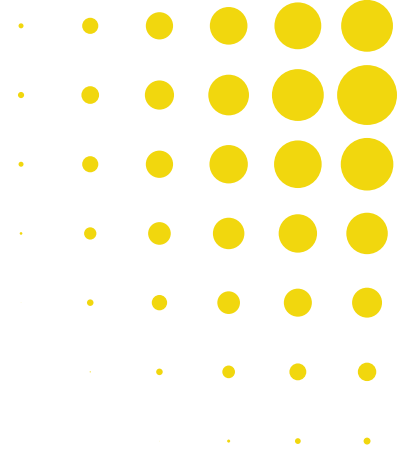




Airborn Ultrasonic

Ultrasonic for Leak Detection





DESCRIPTION

Ultrasonic Analyzer is a real-time spectrum, spectrogram, oscilloscope and octave RTA analyzer for your iPad. It provides a visual representation of many ultrasounds using a sampling rate up to 384kHz.

The app can record, analyze and use slow down playback for sounds normally impossible to hear. The app can also analyze any imported audio file into a spectrogram context.

Ultrasonic is a great tool for detecting air leaks. The ultrasonic sensor plugs directly into the iPad's Lightning port. It is a highly directional sensor enabling very precise readings.

This application takes full advantage of the iPad's processor. For maximum resolution an iPad Air or Air 2 is required; the app utilizes the newer iPad's 64-bit processor.

FEATURES

- 250k sampling per second
- True 16 bits resolution
- Frequency range up to 100 KHz – 125 KHz
- MEMS high sensitivity surface mount wide-band ultrasonic acoustic sensor
- High quality and low noise analog amplification
- 32 bit 80 MHz integrated microcontroller
- Dimensions: 130 mm length x 20 mm diameter
- 8th order anti-aliasing low pass filter
- Filter out noise below 20kHz

